

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

REGULAR MEETING OF THE BOARD OF DIRECTORS

Tuesday, October 9, 2018 - 7:00 p.m.

AGENDA

The Coastside County Water District (CCWD) does not discriminate against persons with disabilities. Upon request, the agenda and agenda packet materials can be provided in a format to accommodate special needs. If you require a copy of the agenda or related materials in an alternative format to accommodate a disability, or if you wish to attend this public meeting and will require special assistance or other special equipment, please call the District at (650) 726-4405 in advance and we will make every reasonable attempt to provide such an accommodation.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the CCWD District Office, located at 766 Main Street, Half Moon Bay, CA at the same time that the public records are distributed or made available to the legislative body.

This agenda and accompanying materials can be viewed on Coastside County Water District's website located at: www.coastsidewater.org.

The Board of the Coastside County Water District reserves the right to take action on any item included on this agenda.

- 1) ROLL CALL**
- 2) PLEDGE OF ALLEGIANCE**
- 3) PUBLIC COMMENT**

At this time members of the public may address the Board of Directors on issues not listed on the agenda which are within the purview of the Coastside County Water District. Comments on matters that are listed on the agenda may be made at the time the Board is considering each item. Each speaker is allowed a maximum of three (3) minutes and must complete and submit a speaker slip. The President of the Board will recognize each speaker, at which time the speaker should proceed to the podium, give their name and address and provide their comments to the Board.

4) CONSENT CALENDAR

The following matters before the Board of Directors are recommended for action as stated by the General Manager. All matters listed hereunder constitute a Consent Calendar, are considered as routine by the Board of Directors, and will be acted upon by a single vote of the Board. There will be no separate discussion of these items unless a member of the Board so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.

- A. Approval of disbursements for the month ending September 30, 2018:
Claims: \$1,063,785.24; Payroll: \$105,906.79 for a total of \$1,169,692.03 ([attachment](#))
➤ *September Monthly Financial Claims reviewed and approved by President Feldman*
- B. Acceptance of Financial Reports ([attachment](#))
- C. Approval of Minutes of September 11, 2018 Regular Board of Directors Meeting ([attachment](#))
- D. Installed Water Connection Capacity and Water Meters Report ([attachment](#))
- E. Total CCWD Production Reports ([attachment](#))
- F. CCWD Monthly Sales by Category Report -September 2018 ([attachment](#))
- G. Monthly Planned Plant or Tank Discharge and New Water Line Flushing Report ([attachment](#))
- H. Monthly Rainfall Reports ([attachment](#))
- I. SFPUC Hydrological Report for the month of August, 2018 ([attachment](#))
- J. SFPUC Hydrological Report for the month of September, 2018 ([attachment](#))

5) MEETINGS ATTENDED / DIRECTOR COMMENTS

6) GENERAL BUSINESS

- A. 2" Main South Highway One Emergency Pipeline Replacement ([attachment](#))
- B. Quarterly Financial Review ([attachment](#))
- C. PAX Water Technologies Tank Mixers ([attachment](#))

7) MONTHLY INFORMATIONAL REPORTS

- A. Assistant General Manager's Report ([attachment](#))
- B. Superintendent of Operations Report ([attachment](#))
- C. Water Resources Report ([attachment](#))

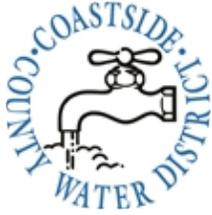
8) DIRECTOR AGENDA ITEMS - FUTURE BOARD AND COMMITTEE MEETINGS AND REQUESTS FOR FUTURE BOARD MEETINGS AGENDA ITEMS

9) ADJOURNMENT

**COASTSIDE COUNTY WATER DISTRICT
CLAIMS FOR SEPTEMBER 2018**

CHECKS				
<u>CHECK DATE</u>	<u>CHECK NO.</u>	<u>VENDOR</u>		<u>AMOUNT</u>
09/07/2018	25826	AEGIS ENTERPRISES, INC.	\$	1,587.00
09/07/2018	25827	HEALTH BENEFITS ACWA-JPIA	\$	45,009.60
09/07/2018	25828	CALIFORNIA C.A.D. SOLUTIONS, INC	\$	3,600.00
09/07/2018	25829	GLADYS ANN CALLAN, TRUSTEE	\$	181.58
09/07/2018	25830	GLADYS ANN CALLAN, TRUSTEE	\$	181.58
09/07/2018	25831	HELEN J. CAREY	\$	290.62
09/07/2018	25832	BRYON & ADELE CIBART	\$	230.93
09/07/2018	25833	CLARK PEST CONTROL OF STOCKTON, INC.	\$	128.00
09/07/2018	25834	COMCAST	\$	200.30
09/07/2018	25835	RECORDER'S OFFICE	\$	101.00
09/07/2018	25836	JAMES COZZOLINO, TRUSTEE	\$	200.00
09/07/2018	25837	JAMES DERBIN	\$	2,600.00
09/07/2018	25838	ROBERT ENYEDI	\$	279.95
09/07/2018	25839	FEDAK & BROWN LLP	\$	1,100.00
09/07/2018	25840	FIRST NATIONAL BANK	\$	3,798.95
09/07/2018	25841	HASSETT HARDWARE	\$	9,772.16
09/07/2018	25842	HUE & CRY, INC.	\$	24.00
09/07/2018	25843	WAYNE & JILL IMPINK	\$	279.95
09/07/2018	25844	MASS MUTUAL FINANCIAL GROUP	\$	1,974.65
09/07/2018	25845	DENIS PARNOVSKIY	\$	279.95
09/07/2018	25846	REPUBLIC SERVICES	\$	523.81
09/07/2018	25847	RICOH USA INC	\$	503.07
09/07/2018	25848	STANDARD INSURANCE COMPANY	\$	567.77
09/07/2018	25849	NANCY D. MASSA	\$	28,013.00
09/07/2018	25850	RYAN H. STOLL	\$	146.72
09/07/2018	25851	UNITED STATES POSTAL SERV.	\$	600.00
09/07/2018	25852	VALIC	\$	4,105.00
09/07/2018	25853	VERIZON WIRELESS	\$	1,466.20
09/07/2018	25854	DAVID D. WELCH	\$	287.62
09/07/2018	25855	RAYMOND WINCH	\$	80.05
09/11/2018	25856	CANYON SPRINGS ENTERPRISES	\$	20,000.00
09/11/2018	25857	PACIFIC GAS & ELECTRIC CO.	\$	51,305.03
09/11/2018	25858	SAN FRANCISCO WATER DEPT.	\$	369,249.58
09/11/2018	25859	LISA SULZINGER	\$	209.94
09/11/2018	25860	WATER QUALITY INC.	\$	700.00
09/11/2018	25861	WATER QUALITY INC.	\$	700.00
09/11/2018	25862	JUAN CARLOS SALAZAR	\$	1,120.00
09/17/2018	25863	ANDREINI BROS. INC.	\$	5,336.81
09/19/2018	25864	CHASE	\$	318,974.12
09/26/2018	25865	ADP, INC.	\$	984.15
09/26/2018	25866	FRANK YAMELLO	\$	235.00
09/26/2018	25867	ANALYTICAL ENVIRONMENTAL SERVICES	\$	6,422.42
09/26/2018	25868	ANDREINI BROS. INC.	\$	4,645.23
09/26/2018	25869	AT&T	\$	3,986.97
09/26/2018	25870	AT&T LONG DISTANCE	\$	552.02
09/26/2018	25871	AZTEC GARDENS, INC.	\$	218.00
09/26/2018	25872	BADGER METER, INC.	\$	27.00

09/26/2018	25873	BALANCE HYDROLOGICS, INC	\$	3,324.86
09/26/2018	25874	BARTKIEWICZ, KRONICK & SHANAHAN	\$	82.50
09/26/2018	25875	BAY ALARM COMPANY	\$	382.50
09/26/2018	25876	BFI OF CALIFORNIA, INC.	\$	2,265.27
09/26/2018	25877	BIG CREEK LUMBER	\$	72.48
09/26/2018	25878	BIG ED'S CRANE SERVICE, INC	\$	1,485.00
09/26/2018	25879	INSTITUTE FOR ENVIRONMENTAL HEALTH, INC.	\$	760.00
09/26/2018	25880	CATHLEEN BRENNAN	\$	193.19
09/26/2018	25881	BSK ASSOCIATES	\$	1,220.00
09/26/2018	25882	CALCON SYSTEMS, INC.	\$	6,136.78
09/26/2018	25883	CHEVRON/TEXACO UNIVERSAL CARD	\$	2,171.80
09/26/2018	25884	CHEMTRADE CHEMICALS US LLC	\$	6,780.40
09/26/2018	25885	CLARK PEST CONTROL OF STOCKTON, INC.	\$	128.00
09/26/2018	25886	PETTY CASH	\$	62.29
09/26/2018	25887	DAVEY'S SMOG SHOP, INC.	\$	267.00
09/26/2018	25888	GREG LANGFORD	\$	550.00
09/26/2018	25889	ELECSYS INTERNATIONAL CORP	\$	250.00
09/26/2018	25890	GRAINGER, INC.	\$	1,776.31
09/26/2018	25891	GRISWOLD INDUSTRIES	\$	156.60
09/26/2018	25892	HMB BLDG. & GARDEN INC.	\$	1,331.76
09/26/2018	25893	HALF MOON BAY REVIEW	\$	35.75
09/26/2018	25894	HANSONBRIDGETT. LLP	\$	4,965.00
09/26/2018	25895	MICHELLE HOGG	\$	200.00
09/26/2018	25896	IRON MOUNTAIN	\$	613.51
09/26/2018	25897	IRVINE CONSULTING SERVICES, INC.	\$	3,287.20
09/26/2018	25898	GLENNA LOMBARDI	\$	118.00
09/26/2018	25899	MASS MUTUAL FINANCIAL GROUP	\$	1,974.65
09/26/2018	25900	MISSION UNIFORM SERVICES INC.	\$	204.67
09/26/2018	25901	MONTEREY COUNTY LAB	\$	1,710.00
09/26/2018	25902	NALCO COMPANY	\$	3,778.32
09/26/2018	25903	NORTHSTAR CHEMICAL	\$	2,319.00
09/26/2018	25904	OCT WATER QUALITY ACADEMY	\$	600.00
09/26/2018	25905	OFFICE DEPOT	\$	1,205.49
09/26/2018	25906	ONTRAC	\$	210.32
09/26/2018	25907	PACIFICA COMMUNITY TV	\$	250.00
09/26/2018	25908	PAKPOUR CONSULTING GROUP	\$	3,366.56
09/26/2018	25909	PAULO'S AUTO CARE	\$	239.38
09/26/2018	25910	PITNEY BOWES	\$	211.91
09/26/2018	25911	FERGUSON ENTERPRISES, INC.	\$	80.19
09/26/2018	25912	PRINCETON WELDING , INC.	\$	1,727.69
09/26/2018	25913	RAY A MORGAN COMPANY INC.	\$	399.16
09/26/2018	25914	RICOH USA INC	\$	503.07
09/26/2018	25915	ROBERTS & BRUNE CO.	\$	10,397.58
09/26/2018	25916	ROGUE WEB WORKS, LLC	\$	275.80
09/26/2018	25917	ERIN ROMER	\$	300.00
09/26/2018	25918	SAN MATEO CTY PUBLIC HEALTH LAB	\$	918.00
09/26/2018	25919	STRAWFLOWER ELECTRONICS	\$	15.12
09/26/2018	25920	TAP PLASTICS, INC	\$	246.67
09/26/2018	25921	TEAMSTERS LOCAL UNION #856	\$	1,145.00
09/26/2018	25922	JAMES TETER	\$	5,677.03
09/26/2018	25923	TPX COMMUNICATIONS	\$	1,821.07
09/26/2018	25924	TYLER TECHNOLOGIES, INC	\$	687.50



Coastside County Water District

Monthly Budget Report

Account Summary

For Fiscal: 2018-2019 Period Ending: 09/30/2018

	September Budget	September Activity	Variance Favorable (Unfavorable)	Percent Variance	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Percent Variance	Total Budget	
Revenue										
RevType: 1 - Operating										
1-4120-00	Water Revenue	1,032,690.00	1,227,748.25	195,058.25	18.89 %	3,533,534.00	3,834,462.34	300,928.34	8.52 %	11,710,500.00
	Total RevType: 1 - Operating:	1,032,690.00	1,227,748.25	195,058.25	18.89 %	3,533,534.00	3,834,462.34	300,928.34	8.52 %	11,710,500.00
RevType: 2 - Non-Operating										
1-4170-00	Water Taken From Hydrants	4,166.00	8,146.82	3,980.82	95.55 %	12,500.00	22,880.45	10,380.45	83.04 %	50,000.00
1-4180-00	Late Notice - 10% Penalty	5,000.00	4,675.01	-324.99	-6.50 %	15,000.00	9,625.72	-5,374.28	-35.83 %	60,000.00
1-4230-00	Service Connections	833.00	1,031.85	198.85	23.87 %	2,500.00	3,231.16	731.16	29.25 %	10,000.00
1-4920-00	Interest Earned	519.00	1,500.80	981.80	189.17 %	1,559.00	1,501.63	-57.37	-3.68 %	6,236.00
1-4930-00	Tax Apportionments/County Checks	0.00	0.00	0.00	0.00 %	0.00	1,602.90	1,602.90	0.00 %	725,000.00
1-4950-00	Miscellaneous Income	2,084.00	-4,686.20	-6,770.20	-324.87 %	6,250.00	0.00	-6,250.00	-100.00 %	25,000.00
1-4955-00	Cell Site Lease Income	13,750.00	13,425.50	-324.50	-2.36 %	41,250.00	39,894.41	-1,355.59	-3.29 %	165,000.00
1-4965-00	ERAF Refund - County Taxes	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	325,000.00
	Total RevType: 2 - Non-Operating:	26,352.00	24,093.78	-2,258.22	-8.57 %	79,059.00	78,736.27	-322.73	-0.41 %	1,366,236.00
	Total Revenue:	1,059,042.00	1,251,842.03	192,800.03	18.21 %	3,612,593.00	3,913,198.61	300,605.61	8.32 %	13,076,736.00
Expense										
ExpType: 1 - Operating										
1-5130-00	Water Purchased	175,000.00	362,075.58	-187,075.58	-106.90 %	675,000.00	1,051,879.39	-376,879.39	-55.83 %	1,900,998.00
1-5230-00	Nunes T P Pump Expense	3,558.00	4,756.16	-1,198.16	-33.68 %	10,674.00	13,115.32	-2,441.32	-22.87 %	42,697.00
1-5231-00	CSP Pump Station Pump Expense	31,031.00	57,317.89	-26,286.89	-84.71 %	119,689.00	111,943.52	7,745.48	6.47 %	337,080.00
1-5232-00	Other Trans. & Dist Pump Expense	2,247.00	1,721.33	525.67	23.39 %	6,741.00	6,567.03	173.97	2.58 %	26,965.00
1-5233-00	Pilarcitos Canyon Pump Expense	250.00	286.31	-36.31	-14.52 %	750.00	681.57	68.43	9.12 %	39,248.00
1-5234-00	Denniston T P Pump Expense	10,834.00	3,510.02	7,323.98	67.60 %	32,500.00	18,871.25	13,628.75	41.93 %	130,000.00
1-5242-00	CSP Pump Station Operations	891.00	1,343.20	-452.20	-50.75 %	2,675.00	3,078.28	-403.28	-15.08 %	10,700.00
1-5243-00	CSP Pump Station Maintenance	3,083.00	429.84	2,653.16	86.06 %	9,250.00	3,458.26	5,791.74	62.61 %	37,000.00
1-5246-00	Nunes T P Operations - General	6,488.00	14,806.78	-8,318.78	-128.22 %	19,462.00	29,714.49	-10,252.49	-52.68 %	77,850.00
1-5247-00	Nunes T P Maintenance	10,209.00	-3,035.73	13,244.73	129.74 %	30,625.00	11,244.55	19,380.45	63.28 %	122,500.00
1-5248-00	Denniston T P Operations-General	3,916.00	-1,585.68	5,501.68	140.49 %	11,750.00	5,324.18	6,425.82	54.69 %	47,000.00
1-5249-00	Denniston T.P. Maintenance	8,488.00	8,250.24	237.76	2.80 %	25,463.00	18,523.98	6,939.02	27.25 %	101,850.00
1-5250-00	Laboratory Expenses	5,954.00	6,885.89	-931.89	-15.65 %	17,862.00	16,955.99	906.01	5.07 %	71,450.00
1-5260-00	Maintenance - General	24,308.00	31,501.16	-7,193.16	-29.59 %	72,925.00	71,788.26	1,136.74	1.56 %	291,700.00
1-5261-00	Maintenance - Well Fields	3,334.00	0.00	3,334.00	100.00 %	10,000.00	0.00	10,000.00	100.00 %	40,000.00
1-5263-00	Uniforms	0.00	8,127.76	-8,127.76	0.00 %	8,000.00	8,127.76	-127.76	-1.60 %	12,500.00
1-5318-00	Studies/Surveys/Consulting	10,000.00	15,425.00	-5,425.00	-54.25 %	30,000.00	22,425.00	7,575.00	25.25 %	160,000.00
1-5321-00	Water Resources	2,100.00	1,457.63	642.37	30.59 %	6,300.00	2,397.72	3,902.28	61.94 %	25,200.00

Monthly Budget Report

For Fiscal: 2018-2019 Period Ending: 09/30/2018

		September Budget	September Activity	Variance Favorable (Unfavorable)	Percent Variance	YTD Budget	YTD Activity	Variance Favorable (Unfavorable)	Percent Variance	Total Budget
1-5322-00	Community Outreach	3,000.00	846.27	2,153.73	71.79 %	7,000.00	1,096.27	5,903.73	84.34 %	54,700.00
1-5381-00	Legal	8,334.00	3,498.00	4,836.00	58.03 %	25,000.00	12,335.50	12,664.50	50.66 %	100,000.00
1-5382-00	Engineering	5,000.00	2,480.00	2,520.00	50.40 %	15,000.00	6,440.00	8,560.00	57.07 %	60,000.00
1-5383-00	Financial Services	1,000.00	1,100.00	-100.00	-10.00 %	5,000.00	2,410.00	2,590.00	51.80 %	20,000.00
1-5384-00	Computer Services	13,000.00	9,436.61	3,563.39	27.41 %	39,000.00	43,798.30	-4,798.30	-12.30 %	163,600.00
1-5410-00	Salaries/Wages-Administration	87,221.00	72,238.31	14,982.69	17.18 %	261,665.00	219,340.51	42,324.49	16.18 %	1,133,880.00
1-5411-00	Salaries & Wages - Field	107,734.00	104,000.22	3,733.78	3.47 %	323,200.00	304,040.62	19,159.38	5.93 %	1,400,532.00
1-5420-00	Payroll Tax Expense	13,672.00	12,829.73	842.27	6.16 %	41,016.00	39,009.37	2,006.63	4.89 %	177,734.00
1-5435-00	Employee Medical Insurance	35,539.00	38,450.82	-2,911.82	-8.19 %	106,617.00	108,125.62	-1,508.62	-1.41 %	444,246.00
1-5436-00	Retiree Medical Insurance	4,038.00	3,601.75	436.25	10.80 %	12,114.00	9,883.24	2,230.76	18.41 %	50,659.00
1-5440-00	Employees Retirement Plan	49,905.00	46,532.49	3,372.51	6.76 %	149,715.00	134,822.66	14,892.34	9.95 %	598,859.00
1-5445-00	Supplemental Retirement 401a	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	35,000.00
1-5510-00	Motor Vehicle Expense	5,000.00	4,740.37	259.63	5.19 %	15,000.00	16,035.96	-1,035.96	-6.91 %	60,000.00
1-5620-00	Office & Billing Expenses	21,800.00	25,900.27	-4,100.27	-18.81 %	65,400.00	61,657.79	3,742.21	5.72 %	261,600.00
1-5625-00	Meetings / Training / Seminars	2,167.00	4,735.79	-2,568.79	-118.54 %	6,500.00	6,550.01	-50.01	-0.77 %	26,000.00
1-5630-00	Insurance	10,750.00	10,439.08	310.92	2.89 %	32,250.00	31,811.24	438.76	1.36 %	129,000.00
1-5687-00	Membership, Dues, Subscript.	2,000.00	9,217.00	-7,217.00	-360.85 %	12,000.00	18,703.40	-6,703.40	-55.86 %	75,970.00
1-5688-00	Election Expenses	5,000.00	0.00	5,000.00	100.00 %	10,000.00	0.00	10,000.00	100.00 %	25,000.00
1-5689-00	Labor Relations	500.00	0.00	500.00	100.00 %	1,500.00	0.00	1,500.00	100.00 %	6,000.00
1-5700-00	San Mateo County Fees	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	20,000.00
1-5705-00	State Fees	0.00	0.00	0.00	0.00 %	0.00	0.00	0.00	0.00 %	36,500.00
	Total ExpType: 1 - Operating:	677,351.00	863,320.09	-185,969.09	-27.46 %	2,217,643.00	2,412,157.04	-194,514.04	-8.77 %	8,354,018.00
	ExpType: 4 - Capital Related									
1-5712-00	Debt Service/Existing Bonds 2006B	366,963.00	0.00	366,963.00	100.00 %	366,963.00	-1,812.44	368,775.44	100.49 %	486,383.00
1-5715-00	Debt Service/CIEDB 11-099	0.00	0.00	0.00	0.00 %	264,524.00	264,523.92	0.08	0.00 %	336,126.00
1-5716-00	Debt Service/CIEDB 2016	0.00	0.00	0.00	0.00 %	231,498.00	231,497.84	0.16	0.00 %	324,235.00
1-5717-00	Chase Bank - 2018 Loan	0.00	318,974.12	-318,974.12	0.00 %	0.00	318,974.12	-318,974.12	0.00 %	0.00
	Total ExpType: 4 - Capital Related:	366,963.00	318,974.12	47,988.88	13.08 %	862,985.00	813,183.44	49,801.56	5.77 %	1,146,744.00
	Total Expense:	1,044,314.00	1,182,294.21	-137,980.21	-13.21 %	3,080,628.00	3,225,340.48	-144,712.48	-4.70 %	9,500,762.00
	Report Total:	14,728.00	69,547.82	54,819.82		531,965.00	687,858.13	155,893.13		3,575,974.00

**COASTSIDE COUNTY WATER DISTRICT
MONTHLY INVESTMENT REPORT
September 30, 2018**

<u>RESERVE BALANCES</u>	Current Year as of 9/30/18	Prior Year as of 9/30/17
CAPITAL AND OPERATING RESERVE	\$6,601,236.73	\$4,782,904.69
RATE STABILIZATION RESERVE	\$250,000.00	\$250,000.00
TOTAL DISTRICT RESERVES	\$6,851,236.73	\$5,032,904.69

ACCOUNT DETAIL

ACCOUNTS WITH FIRST NATIONAL BANK (FNB)		
CHECKING ACCOUNT*	\$4,621,566.15	\$3,979,321.46
CSP T & S ACCOUNT	\$160,385.72	\$16,930.17
MONEY MARKET GEN. FUND (Opened 7/20/17)	\$19,432.09	\$2,500.00
LOCAL AGENCY INVESTMENT FUND (LAIF) BALANCE	\$2,049,152.77	\$1,033,453.06
DISTRICT CASH ON HAND	\$700.00	\$700.00
TOTAL ACCOUNT BALANCES	\$6,851,236.73	\$5,032,904.69

This report is in conformity with CCWD's Investment Policy.

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2018/2019**

9/30/2018

Approved CIP Budget FY 18/19	Actual To Date FY 18/19	Projected Year-End FY 18/19	Variance vs. Budget	% Completed	Project Status/ Comments
------------------------------	-------------------------	-----------------------------	---------------------	-------------	--------------------------

Equipment Purchases & Replacement

06-03	SCADA/Telemetry/Electrical Controls Replacement	\$ 50,000		\$ 50,000	\$ -	0%	
99-02	Vehicle Replacement	\$ 100,000		\$ 100,000	\$ -	0%	Vehicles approved at August 2018 Board meeting

Facilities & Maintenance

08-08	PRV Valves Replacement Project	\$ 30,000	\$ 1,790	\$ 30,000	\$ -	6%	
09-09	Fire Hydrant Replacement	\$ 140,000	\$ 20,663	\$ 140,000	\$ -	15%	
16-07	Sample Station Replacement Project	\$ 30,000	\$ 28,013	\$ 30,000	\$ -	93%	
17-15	Pilarcitos Canyon Emergency Road Repairs	\$ 100,000		\$ 100,000	\$ -	0%	
18-13	Denniston WTP and Tank Road Repairs and Paving	\$ 100,000		\$ 100,000	\$ -	0%	
99-01	Meter Change Program	\$ 20,000	\$ 11,098	\$ 20,000	\$ -	55%	

Pipeline Projects

06-02	Highway 1 South Pipeline Replacement Project	\$ 750,000	\$ 5,588	\$ 750,000	\$ -	1%	planned for October-November 2018
07-04	Bell Moon Pipeline Replacement Project	\$ 60,000	\$ 1,244	\$ 60,000	\$ -	2%	in design
13-02	Replace 8 Inch Pipeline Under Creek at Pilarcitos Ave	\$ 50,000		\$ 50,000	\$ -	0%	
14-01	Replace 12" Welded Steel Line on Hwy 92 with 8"	\$ 100,000		\$ 100,000	\$ -	0%	
14-27	Grandview 2 Inch Replacement	\$ 50,000	\$ 254	\$ 50,000	\$ -	1%	in design
14-30	Replace Miscellaneous 2 Inch GS El Granada	\$ 60,000	\$ 5,197	\$ 60,000	\$ -	9%	in design/ready for bid
14-31	Ferdinand Avenue - Replace 4" WS Ferdinand Ave. to Columbus	\$ 60,000		\$ 60,000	\$ -	0%	in design

Pump Stations / Tanks / Wells

06-04	Hazen's Tank Removal	\$ 30,000		\$ 30,000	\$ -	0%	
08-14	Alves Tank Recoating & Refurshment	\$ 600,000		\$ 600,000	\$ -	0%	
19-01	EG Tank #1 Recoating & Refurbishment	\$ 100,000	\$ 5,671	\$ 100,000	\$ -	6%	
19-XX	Miramar Tank - Chime	\$ 40,000		\$ 40,000	\$ -	0%	
18-05	Denniston Tank THM Residual Control	\$ 80,000		\$ 80,000	\$ -	0%	
18-06	CSP -- (3) Butterfly Valves	\$ 80,000		\$ 80,000	\$ -	0%	
19-XX	Tanks - THM Control	\$ 120,000		\$ 120,000	\$ -	0%	

Water Supply Development

12-12	San Vicente Diversion and Pipeline	\$ 100,000	\$ -	\$ 100,000	\$ -	0%	
17-12	Recycled Water Project Development	\$ 100,000	\$ -	\$ 100,000	\$ -	0%	

Water Treatment Plants

08-07	Nunes Filter Valve Replacement	\$ 500,000		\$ 500,000	\$ -	0%	
13-05	Denniston WTP Emergency Power	\$ 50,000		\$ 50,000	\$ -	0%	

FY 18/19 TOTALS	\$ 3,500,000	\$ 79,517	\$ 3,500,000	\$ -	0%	
------------------------	---------------------	------------------	---------------------	-------------	-----------	--

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2018/2019**

9/30/2018

Approved CIP Budget FY 18/19	Actual To Date FY 18/19	Projected Year-End FY 18/19	Variance vs. Budget	% Completed	Project Status/ Comments
------------------------------	-------------------------	-----------------------------	---------------------	-------------	--------------------------

FY2017/2018 CIP Projects in process - paid in FY 2018/2019

18-09	Denniston Heater	\$ 4,800	\$ 4,800	\$ (4,800)		completed
13-08	Crystal Springs Spare 350 HP Motor	\$ 59,803	\$ 65,000	\$ (65,000)		
18-03	CSP Spare 500 Pump Rehabilitation	\$ 41,450	\$ 50,000	\$ (50,000)		
07-03	Pilarcitos Canyon Pipeline Replacement	\$ 13,702	\$ 13,702	\$ (13,702)		Work is budgeted for FY2019/20
12-12	Denniston/San Vicente Water Supply Development	\$ 11,433	\$ 75,000	\$ (75,000)		ongoing
14-26	Replace 2" Pipe in Downtown Half Moon Bay	\$ 145,754	\$ 150,000	\$ (150,000)		near completion
17-16	CSP P3 Soft Start Pump/Shafting Replacement & Motor refurbishment	\$ 3,370	\$ 3,370	\$ (3,370)		
10-02 & 12-04	Denniston Booster Pump Station - Transformer Installation		\$ 40,000	\$ (40,000)		work is in process
18-07	EG #2 Tank Chlorination System (Residual Control System)		\$ 50,000	\$ (50,000)		
17-04	Denniston Dam Spillway Repairs		\$ 90,000	\$ (90,000)		
18-10	Nunes/Denniston Treat Plants Optimization Study	\$ 14,636	\$ 20,000	\$ (20,000)		
				\$ -		

PREVIOUS YEAR TOTALS \$ - \$ 294,947 \$ 561,872 \$ (561,872)

UNSCHEDULED ITEMS (CAPITAL EXPENDITURES) FOR CURRENT FISCAL YEAR 2018/2019

NN-00	Unscheduled CIP	\$ 100,000		\$ 100,000	0%	

NON-BUDGETED TOTALS \$ 100,000 \$ - \$ - \$ 100,000

CIP TOTALS \$ 3,600,000 \$ 374,464 \$ 4,061,872 \$ (461,872)

**Legal Cost Tracking Report
12 Months At-A-Glance**

**Acct. No.5681
Patrick Miyaki - HansonBridgett, LLP
Legal**

Month	Admin (General Legal Fees)	Water Supply Develpmnt	Recycled Water	Transfer Program	CIP	Personnel	Water Shortage	Litigation	Infrastructure Project Review (Reimbursable)	TOTAL
Oct-17	975			222	130	1,268				2,595
Nov-17	2,418			226	2,340	525				5,509
Dec-17	4,934			138	1,300	130				6,502
Jan-18	878			412	260				2,178	3,727
Feb-18	4,485			1,052	260	1,040				6,837
Mar-18	1,268			454	962	1,203				3,886
Apr-18	2,503				8,301					10,803
May-18	6,754					1,404				8,158
Jun-18	4,225			406	1,333	358				6,321
Jul-18	7,430			1,680	488	65				9,662
Aug-18	3,230			647		1,608			216	5,701
Sep-18	3,246			757	963					4,965
TOTAL	42,343	0	0	5,993	16,335	7,600	0	0	2,394	74,664

**Engineer Cost Tracking Report
12 Months At-A-Glance**

**Acct. No. 5682
JAMES TETER
Engineer**

Month	Admin & Retainer	CIP	Studies & Projects	TOTAL	Reimbursable from Projects
Oct-17	480		930	1,410	930
Nov-17	480		3,007	3,487	3,007
Dec-17	480		338	818	338
Jan-18	480	1,935	1,683	4,098	1,683
Feb-18	480	1,014	7,788	9,282	7,788
Mar-18	1,021	4,270	1,905	7,196	1,905
Apr-18	480	2,197	338	3,015	338
May-18	1,115	1,188		2,303	
Jun-18	480	1,099	169	1,748	169
Jul-18	480	4,989	2,958	8,427	2,958
Aug-18	480	2,380	2,138	4,998	2,138
Sep-18	480	5,197		5,677	
TOTAL	6,936	24,268	21,253	52,457	21,253

Calcon T&M Projects Tracking

9/30/2018

Project No.	Name	Status	Proposal Date	Approved Date	Project Budget	Project Actual thru 6/30/18	Project Billings FY2018-19
Closed Projects:							
CAL-13-01	EG Tank 2 Recoating Project	Closed	9/30/13	10/8/13	\$8,220.00	\$ 8,837.50	
CAL-13-02	Nunes Control System Upgrades	Closed	9/30/13	10/8/13	\$46,141.00	\$ 55,363.60	
CAL-13-03	Win 911 and PLC Software	Closed	9/30/13	10/8/13	\$9,717.00	\$ 12,231.74	
CAL-13-04	Crystal Springs Surge Tank Retrofit	Closed	11/26/13	11/27/13	\$31,912.21	\$ 66,572.54	
CAL-13-06	Nunes Legacy Backwash System Removal	Closed	11/25/13	11/26/13	\$6,516.75	\$ 6,455.00	
CAL-13-07	Denniston Backwash FTW Valves	Closed	11/26/13	11/27/13	\$6,914.21	\$ 9,518.28	
CAL-14-01	Denniston Wash Water Return Retrofit	Closed	1/28/14	2/14/14	\$13,607.00	\$ 13,591.60	
CAL-14-02	Denniston Calrifier SCADA Data	Closed	4/2/14	4/7/14	\$4,125.00	\$ 4,077.50	
CAL-14-03	Nunes Surface Scatter Turbidimeter	Closed	4/2/14	4/7/14	\$2,009.50	\$ -	
CAL-14-04	Phase I Control System Upgrade	Closed	4/2/14	4/7/14	\$75,905.56	\$ 44,459.14	
CAL-14-06	Miramar Control Panel	Closed	8/28/14	8/28/14	\$37,953.00	\$ 27,980.71	
CAL-14-08	SFWater Flow & Data Logger/Cahill Tank	Closed	8/20/2014	8/20/2014	\$1,370.00	\$ 1,372.00	
CAL-15-01	Main Street Monitors	Closed				\$ 6,779.42	
CAL-15-02	Denniston To Do List	Closed				\$ 2,930.00	
CAL-15-03	Nunes & Denniston Turbidity Meters	Closed			\$6,612.50	\$ 12,536.12	
CAL-15-04	Phase II Control System Upgrade	Closed	6/23/2015	8/11/2015	\$195,000.00	\$ 202,227.50	
CAL-15-05	Permanganate Water Flow	Closed				\$ 1,567.15	
CAL-16-04	Radio Network	Closed	12/9/2016	1/10/2017	\$126,246.11	\$ 139,200.68	
CAL-16-05	EI Granada Tank No. 3 Recoating	Closed	12/16/2016		\$6,904.50	\$ 6,845.00	
CAL-17-03	Nunes Valve Control	Closed	6/29/2017	7/11/2017	\$73,281.80	\$ 79,034.35	
CAL-17-04	Denniston Booster Pump Station	Closed	7/27/2017	8/8/2017	\$21,643.75	\$ 29,760.00	
CAL-17-05	Crystal Springs Pump Station #3 Soft Start	Closed	7/27/2017	8/8/2017	\$12,213.53	\$ 12,178.13	
CAL-18-04	Tank Levels Calibration Special	Closed	3/5/2018	3/5/2018	\$8,388.75	\$ 10,700.00	
CAL-18-05	Pilarcitos Stream Flow Gauge -Well 1 120 Service Power	Closed	3/22/2018	3/22/2018	\$3,558.13	\$ 3,997.40	
CAL-17-06	Nunes Flocculartor & Rapid Mix VFD Panels	Closed	12/6/2017	12/12/2017	\$29,250.75	\$ 30,695.66	
Closed Projects - Subtotal (pre FY2018-19)					\$727,491.05	\$ 788,911.02	
Open Projects:							
CAL-17-01	Crystal Springs Leak Valve Control		2/8/2017	2/14/2017	\$8,701.29	\$ 18,055.88	
CAL-17-02	Crystal Springs Requirements & Addtl Controls		2/8/2017	2/14/2017	\$38,839.50	\$ 41,172.06	
CAL-18-03	CSP Breakers & Handles		3/7/2018	3/7/2018	\$25,471.47	\$ 29,167.79	
Open Projects - Subtotal					\$73,012.26	\$88,395.73	\$0.00
Other: Maintenance							
Tanks							
Crystal Springs Maintenance							\$ 326.26
Nunes Maintenance							
Denniston Maintenance							\$ 4,085.00
Distribution System							\$ 8,306.78
TOTAL FY 2018/19							\$12,718.04

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE REGULAR BOARD OF DIRECTORS MEETING

Tuesday, September 11, 2018

- 1) **ROLL CALL** - President Robert Feldman called the meeting to order at 7:00 p.m. Present at roll call: Directors Chris Mickelsen, Arnie Glassberg, Glenn Reynolds and Vice-President Ken Coverdell.

Also present: David Dickson, General Manager; Mary Rogren, Assistant General Manager; Patrick Miyaki, Legal Counsel; James Derbin, Superintendent of Operations, JoAnne Whelen, Administrative Assistant/Recording Secretary; Cathleen Brennan, Water Resources Analyst and Gina Brazil, Office Manager.

- 2) **PLEDGE OF ALLEGIANCE**

- 3) **PUBLIC COMMENT** - There were no public comments.

- 4) **SPECIAL ORDER OF BUSINESS - PUBLIC HEARING**

Coastside County Water District Ordinance 2018-01 - An Ordinance of Coastside County Water District Updating Water Use Efficiency Regulations

Staff Presentation - Ms. Brennan provided a brief background regarding the purpose of the Indoor Water Use Efficiency Ordinance, a mandatory water efficiency measure that was designed to reduce per capita indoor water consumption for new and expanded water services in the District's service area. She then reviewed the proposed amendments to the ordinance to align the District's requirements with recent state legislation, changes in the California Plumbing Code and Green Building Standards. Ms. Brennan then reviewed the proposed amendments and for the record, stated that this public hearing had been properly noticed in the Half Moon Bay Review newspaper.

Open Public Hearing - President Feldman opened the Public Hearing at 7:16 p.m. to receive public comments and consider adoption of Ordinance 2018-01 Updating Water Use Efficiency Regulations.

There were no public comments stated.

Close Public Hearing - President Feldman closed the Public hearing at 7:16 p.m. and suggested consideration of adoption of Ordinance 2018-01.

ON MOTION BY Vice-President Coverdell and seconded by Director Reynolds, the Board voted by roll call vote to adopt Ordinance 2018-01 Updating Water Use Efficiency Regulations:

Vice-President Coverdell	Aye
Director Glassberg	Aye
Director Mickelsen	Aye
Director Reynolds	Aye
President Feldman	Aye

5) CONSENT CALENDAR

- A.** Approval of disbursements for the month ending August 31, 2018:
Claims: \$903,874.25; Payroll: \$98,198.03 for a total of \$1,002,072.28
- B.** Acceptance of Financial Reports
- C.** Approval of Minutes of August 14, 2018 Regular Board of Directors Meeting
- D.** Monthly Water Service Connection Transfer Report
- E.** Installed Water Connection Capacity and Water Meters Report
- F.** Total CCWD Production Reports
- G.** CCWD Monthly Sales by Category Report –August 2018
- H.** Monthly Planned Plant or Tank Discharge and New Water Line Flushing Report
- I.** Monthly Rainfall Reports

Director Reynolds reported that he had reviewed the monthly financial claims and found all to be in order.

President Feldman suggested that the District’s Facilities Committee members meet soon to discuss the progress of the District’s Capital Improvement Program.

Vice-President Coverdell suggested that the District’s budget be reviewed further in terms of the amount initially budgeted for water purchased.

ON MOTION BY Director Glassberg and seconded by Director Reynolds, the Board voted by roll call vote to approve the Consent Calendar in its entirety:

Vice-President Coverdell	Aye
Director Glassberg	Aye
Director Mickelsen	Aye
Director Reynolds	Aye
President Feldman	Aye

6) MEETINGS ATTENDED / DIRECTOR COMMENTS

Director Mickelsen provided a brief report on a recent meeting with the San Francisco Public Utilities Commission (SFPUC) that he had attended as a representative of the Bay Area Water Supply and Conservation Agency (BAWSCA) and spoke to urge SFPUC to

seek a negotiated settlement with the State Water Resources Control Board over the Bay Delta Plan.

7) **GENERAL BUSINESS**

A. **Comments submitted by Coastside County Water District to the Department of Water Resources on the Draft 2018 SGMA (Sustainable Groundwater Management Act) Basis Prioritization**

Mr. Dickson summarized the background of this matter and shared the comments that staff had recently submitted to the Department of Water Resources regarding the 2018 Basin Prioritization of the Half Moon Bay Terrace Basin. Brief discussion ensued, with Mr. Dickson advising that updates would be provided to the Board on this process and any determinations made by the Department of Water Resources.

8) **MONTHLY INFORMATIONAL REPORTS**

A. **Superintendent of Operations Report**

Mr. Derbin reviewed the monthly projects and source of supply highlights.

9) **DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS**

Director Reynolds referenced a recent article and summarized current issues with the Colorado River and suggested that although not urgent, he proposed that he and Director Mickelsen could meet as members of the Water Resources Committee to discuss the situation at some point in the future.

President Feldman reported that he had recently discussed with Mr. Dickson the interest in scheduling a follow up meeting to the last District Strategic Planning Session and suggested that the Board meet in the early part of 2019 to discuss a water use plan, including water security and availability issues.

There was a brief break provided at 8:12 p.m. to clear the Board room to prepare for discussion of the Closed Session agenda item. The Closed Session discussion began at 8:24 p.m.

10) **CLOSED SESSION**

A. **Public Employee Performance Evaluation
Pursuant to California Government Section 54957
Title: General Manager**

- 11) **RECONVENE TO OPEN SESSION** - The meeting reconvened to open session at 8:33p.m. with David Dickson reporting that no action was taken in the closed session.

- 12) **ADJOURNMENT** - The meeting was adjourned at 8:33 p.m.

Respectfully submitted,

David R. Dickson, General Manager
Secretary to the District

Robert C. Feldman, President
Board of Directors

TOTAL CCWD PRODUCTION (MG) ALL SOURCES- FY 2019

	CCWD Sources			SFPUC Sources		RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
	DENNISTON WELLS	DENNISTON RESERVOIR	PILARCITOS WELLS	PILARCITOS LAKE	CRYSTAL SPRINGS RESERVOIR			
JUL	2.36	13.98	0.00	37.74	30.90	84.98	3.98	81.00
AUG	0.62	3.36	0.00	27.20	36.80	67.98	1.94	66.04
SEPT	0.00	0.00	0.00	30.48	39.24	69.72	1.48	68.24
OCT								
NOV								
DEC								
JAN								
FEB								
MAR								
APR								
MAY								
JUN								
TOTAL	2.98	17.34	0.00	95.42	106.94	222.68	7.40	215.28
% MONTHLY TOTAL	0.9%	4.9%	0.0%	40.0%	54.1%	100.0%	2.9%	97.1%
% ANNUAL TO DATE TOTAL	0.9%	4.9%	0.0%	40.0%	54.1%	100.0%	3.3%	96.7%

CCWD vs SFPUC- month 5.9% 94.1%

CCWD vs SFPUC- annual 5.9% 94.1%

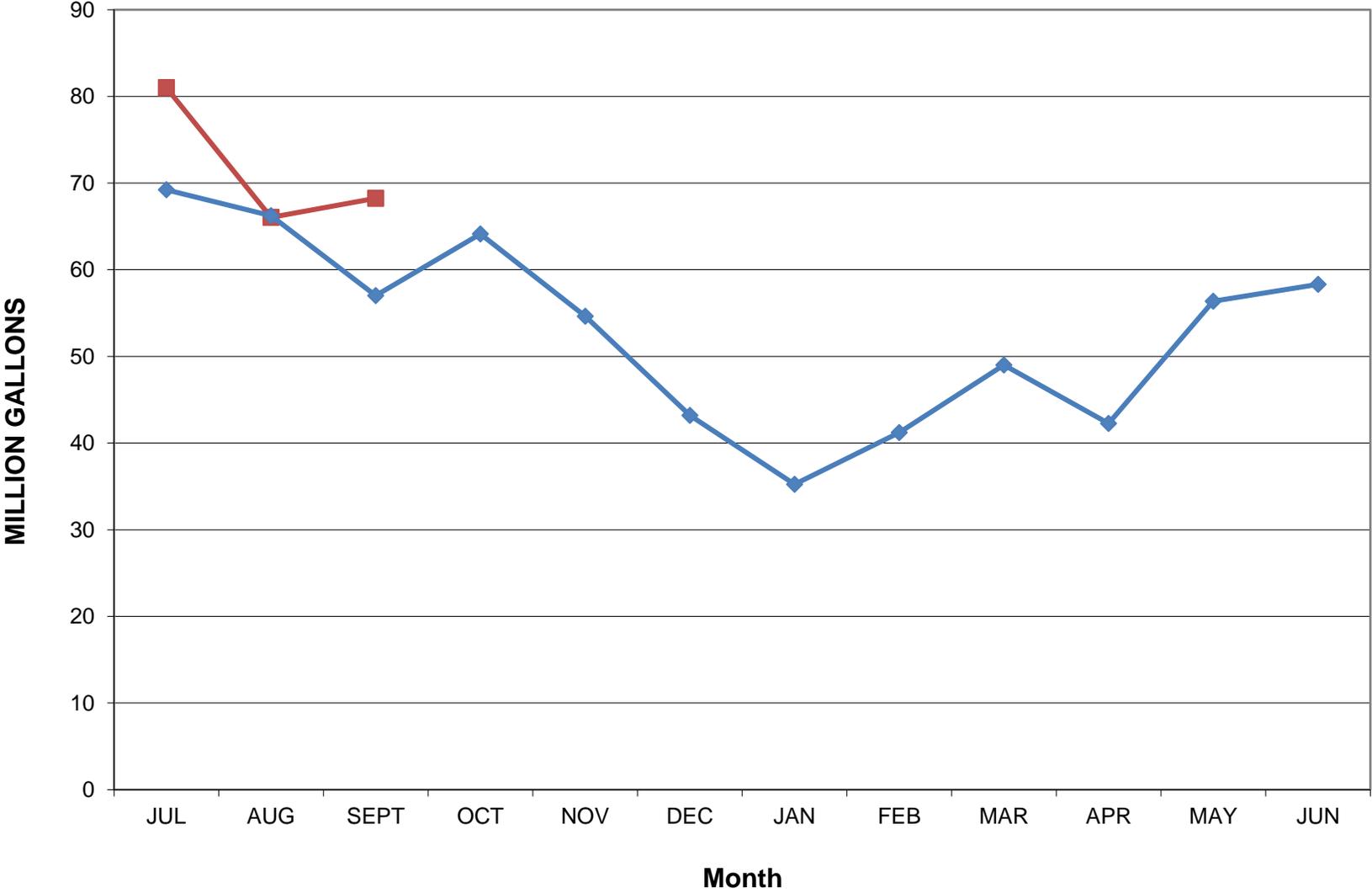
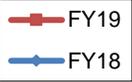
12 Month Running Treated Total

595.97

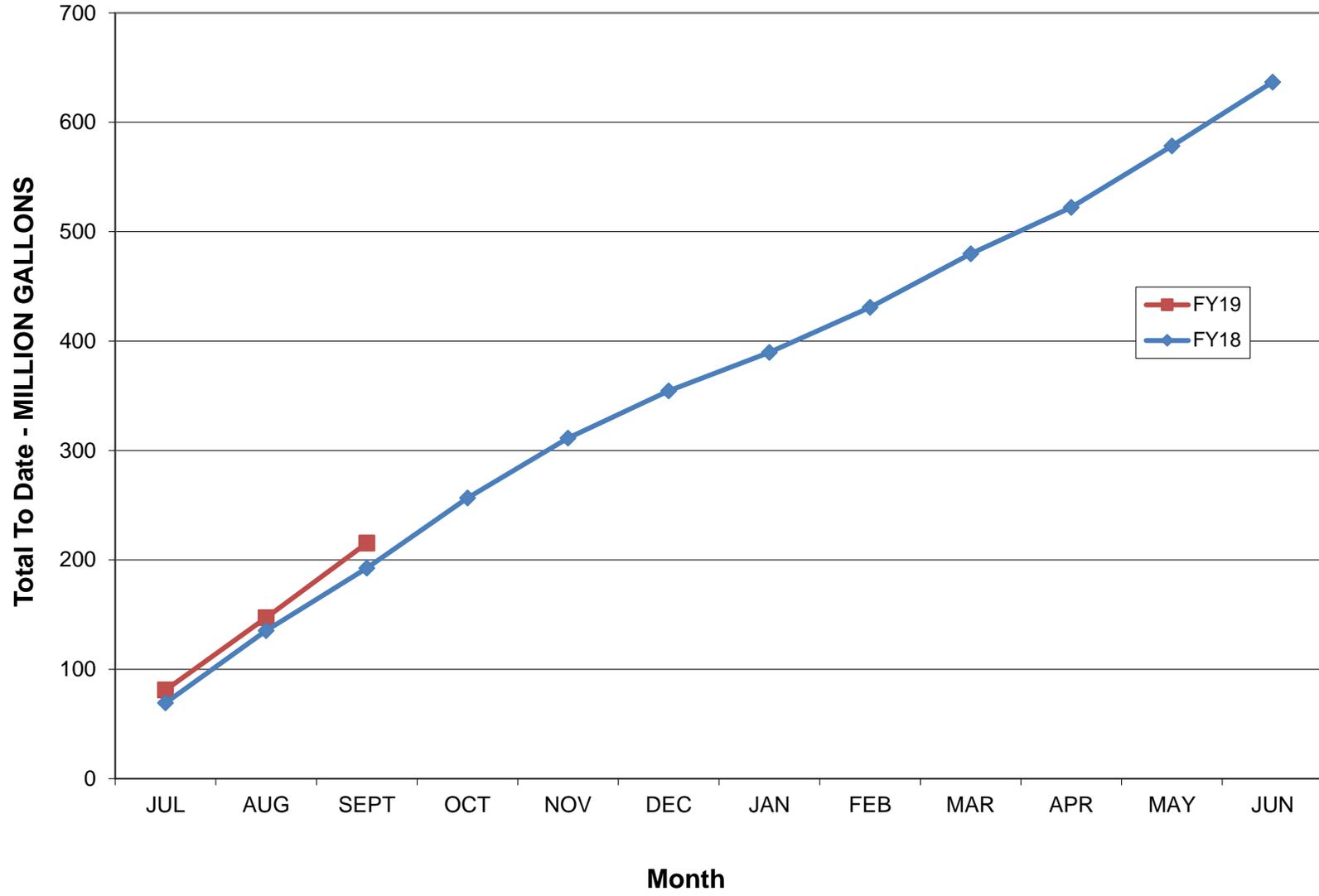
TOTAL CCWD PRODUCTION (MG) ALL SOURCES- FY 2018

	CCWD Sources			SFPUC Sources		RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
	DENNISTON WELLS	DENNISTON RESERVOIR	PILARCITOS WELLS	PILARCITOS LAKE	CRYSTAL SPRINGS RESERVOIR			
JUL	0.87	25.93	0.00	0.00	45.87	72.67	3.45	69.22
AUG	2.32	24.89	0.00	0.00	42.86	70.07	3.85	66.22
SEPT	2.21	19.72	0.00	0.00	38.88	60.81	3.80	57.01
OCT	1.63	15.79	0.00	0.00	50.08	67.50	3.37	64.13
NOV	4.82	21.54	18.4	0.00	12.45	57.21	2.57	54.64
DEC	0.09	22.00	14.32	0.00	10.04	46.45	3.25	43.20
JAN	0.09	15.70	11.20	0.00	11.40	38.39	3.15	35.24
FEB	0.00	20.02	9.37	0.00	14.41	43.80	2.58	41.22
MAR	6.23	10.02	20.92	0.00	15.43	52.60	3.61	48.99
APR	0.00	12.06	0.00	10.80	21.93	44.79	2.53	42.26
MAY	0.93	26.33	0.00	26.75	5.00	59.01	2.64	56.37
JUN	2.71	17.64	0.00	31.50	9.70	61.55	3.23	58.32
TOTAL	21.90	231.64	74.21	69.05	278.05	674.85	38.03	636.82
% MONTHLY TOTAL	4.40%	28.66%	0.00%	51.18%	15.76%	100.00%	5.25%	94.75%
% ANNUAL TO DATE TOTAL	3.2%	34.3%	11.0%	10.2%	41.2%	100.0%	5.64%	94.4%
% TOTAL	4.4%	28.7%	0.0%	51.2%	15.8%	100.0%	5.25%	94.8%

Monthly Production FY 18 vs FY 19



Cumulative Production FY 18 vs FY19



**Coastside County Water District Monthly Sales By Category (MG)
FY2019**

	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	MG to Date
RESIDENTIAL	21.678	40.757	21.103										83.54
COMMERCIAL	3.609	2.866	3.937										10.41
RESTAURANT	1.749	1.600	1.657										5.01
HOTELS/MOTELS	2.642	2.910	2.723										8.28
SCHOOLS	0.759	0.765	0.982										2.51
MULTI DWELL	2.698	2.669	2.633										8.00
BEACHES/PARKS	0.777	0.522	0.577										1.88
AGRICULTURE	9.217	5.454	8.844										23.52
RECREATIONAL	0.236	0.265	0.237										0.74
MARINE	0.635	0.589	0.637										1.86
IRRIGATION	7.926	8.990	5.611										22.53
DETECTOR CHECKS	0.040	0.066	0.079										0.19
RAW WATER	8.971	6.974	8.488										24.43
PORTABLE METERS	0.109	0.611	0.393										1.11
CONSTRUCTION	0.153	0.194	0.138										0.49
TOTAL - MG	61.20	75.23	58.04										194.47

Non Residential Usage 39.52 34.48 36.94
Running 12 Month Total 621.11
 12 mo Residential **315.55**
 12 mo Non Residential **305.56**

FY2018

	JUL	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	MG to Date
RESIDENTIAL	20.823	40.192	21.242	40.000	18.734	31.360	17.800	29.710	14.860	26.671	16.854	36.024	314.27
COMMERCIAL	3.369	3.103	3.521	2.770	3.543	2.340	3.032	2.330	2.536	2.398	2.978	2.916	34.84
RESTAURANT	1.783	1.563	1.745	1.450	1.601	1.170	1.572	1.200	1.285	1.320	1.481	1.536	17.71
HOTELS/MOTELS	2.762	2.777	2.388	2.290	2.412	1.650	2.079	2.020	1.774	2.311	2.299	2.501	27.26
SCHOOLS	0.567	0.735	0.934	0.810	0.604	0.420	0.540	0.310	0.285	0.278	0.803	0.910	7.20
MULTI DWELL	2.768	3.107	2.817	3.100	2.660	2.760	2.671	2.780	2.296	2.853	2.518	3.076	33.41
BEACHES/PARKS	0.554	0.589	0.708	0.530	0.340	0.090	0.178	0.140	0.135	0.156	0.316	0.481	4.22
AGRICULTURE	6.107	6.007	8.518	7.420	6.220	6.520	4.656	6.300	5.309	6.417	5.130	7.271	75.87
RECREATIONAL	0.266	0.354	0.215	0.320	0.197	0.290	0.215	0.290	0.169	0.267	0.192	0.245	3.02
MARINE	0.597	0.666	0.640	0.440	0.653	0.590	0.446	0.330	0.323	0.305	0.419	0.383	5.79
IRRIGATION	6.166	5.258	1.570	2.250	0.986	0.880	0.767	0.850	0.536	0.500	1.113	5.620	26.50
RAW WATER	8.783	10.435	7.389	8.250	4.969	0.010	0.013	1.700	0.011	3.064	2.520	0.064	47.21
DETECTOR CHECKS	0.019	0.044	0.022	0.030	0.002	0.030	0.016	0.050	0.021	0.037	0.034	6.858	7.16
PORTABLE METERS	0.267	0.248	0.323	0.290	0.203	0.190	0.041	0.150	0.090	0.306	0.197	0.403	2.71
CONSTRUCTION	NA	NA	NA	NA	0.108	0.270	0.188	0.150	0.142	0.202	0.144	0.218	1.42
TOTAL - MG	54.83	75.08	52.03	69.95	43.23	48.57	34.21	48.31	29.77	47.09	37.00	68.51	608.58

September 2018 Discharge/Leak Report

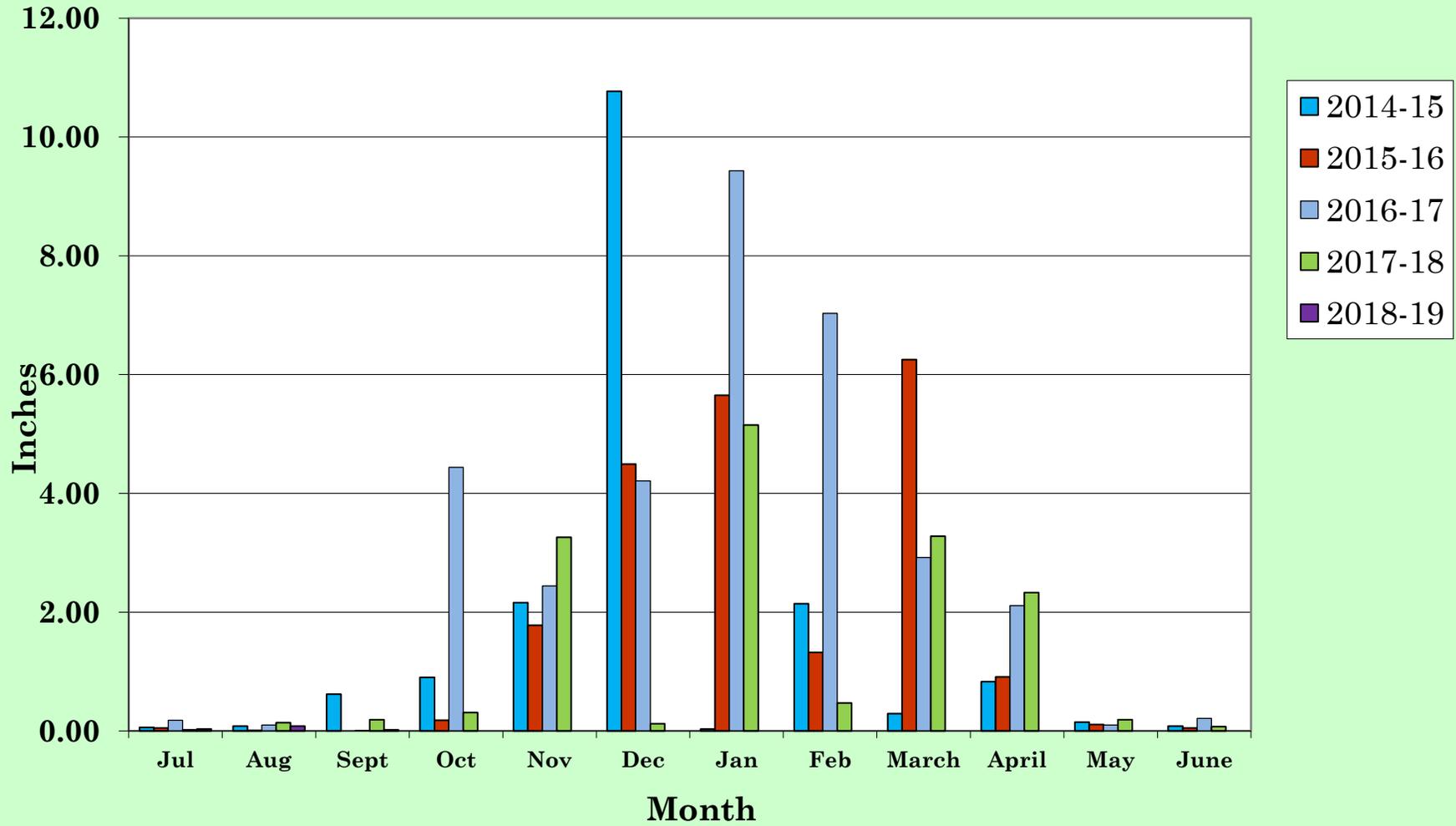
	Date Reported Discovered	Date Repaired	Location	Pipe Class	Pipe Size & Type	Estimated Water Loss MG
1	9/5/2018	9/10/18	12490 San Mateo Road HMB			
				M	18" DI	0.003
2	9/11/2018	9/12/2018	200 block of Madrid Ave EG			
				M	2" Galv	0.003
3						
4						
5						
6						
7						
8						
Totals						0.006

OTHER DISCHARGES	
Total Volumes (MG)	
Flushing Program	0.009
Reservoir Cleaning	
Automatic Blowoffs	0.115
Dewatering Operations	0.389
Other (includes flow testing)	0.005
PLANNED DISCHARGES GRAND TOTAL (MG)	
0.518	

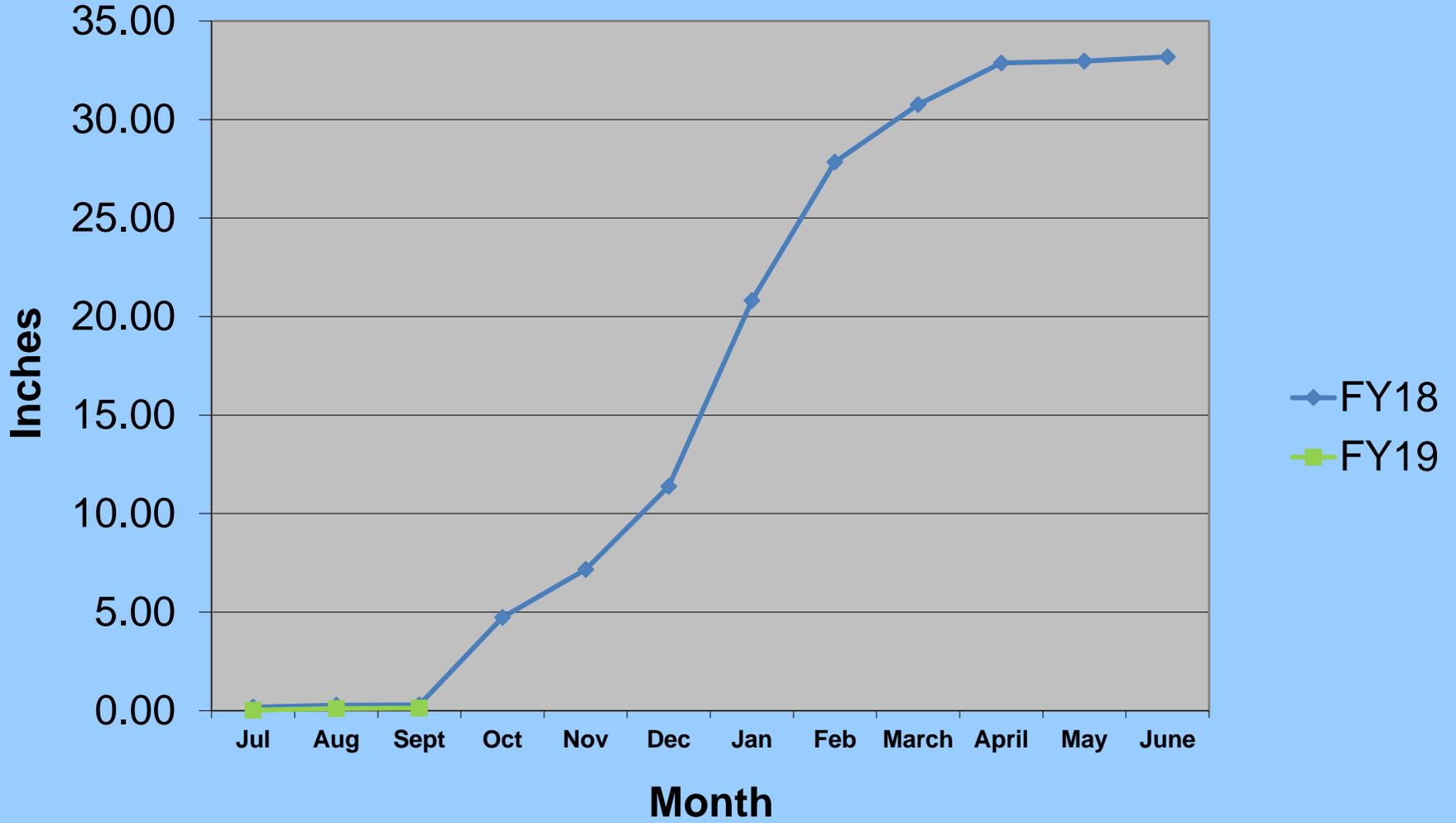
Coastside County Water District

Rainfall by Month

Fiscal Years 14 - 19

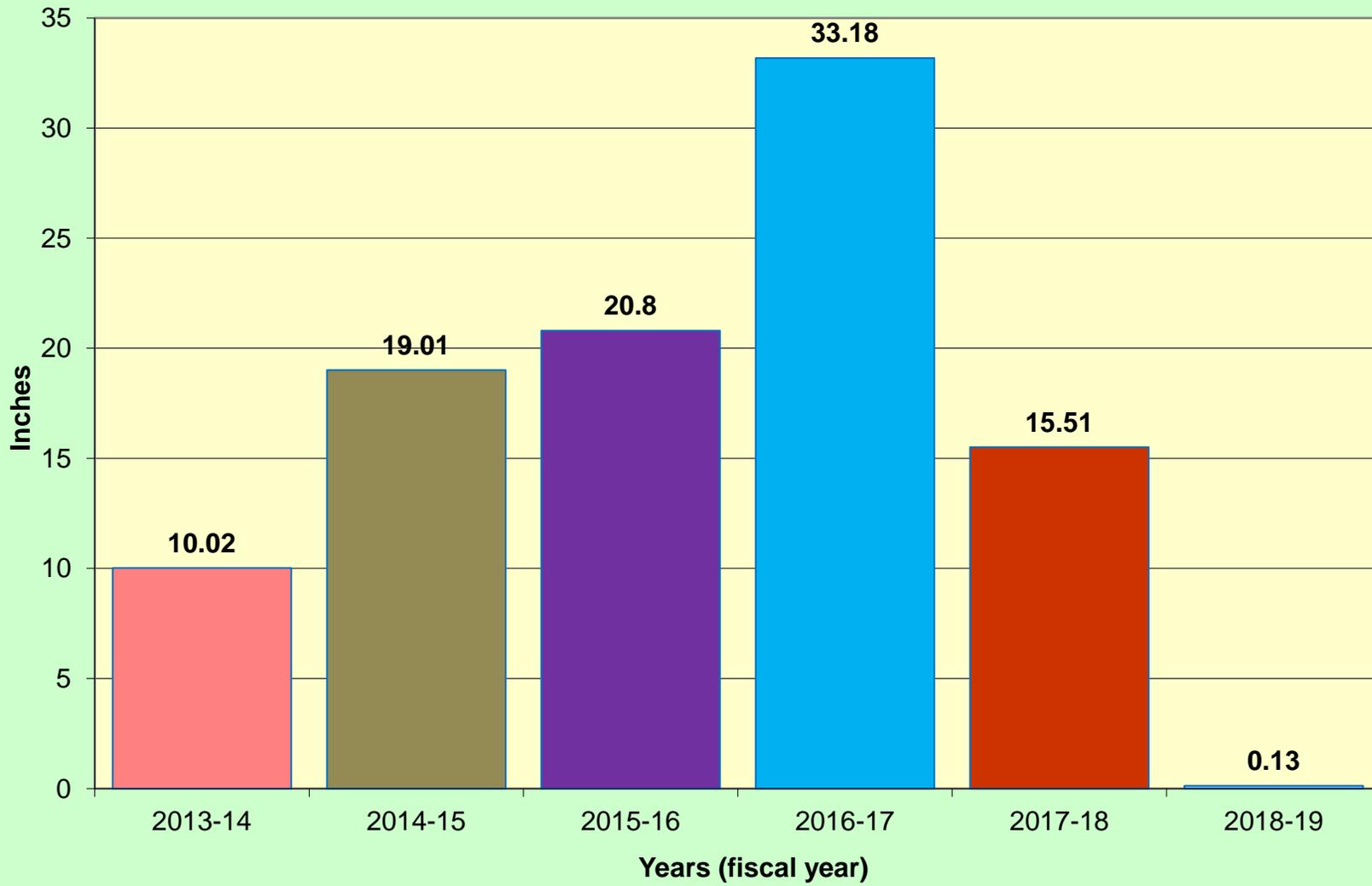


Rainfall Total Comparison Fiscal Years 18-19



Rain Totals

Fiscal Years 13 - 18



San Francisco Public Utilities Commission

Hydrological Conditions Report

August 2018

J. Chester, C. Graham, N. Waelty, & R. Walters, Sept 5, 2018



The Lyell Fork of the Tuolumne River meandering through Lyell Canyon. Fed by the Lyell Glacier, the Lyell Fork is the headwater of the Tuolumne River.

System Storage

Current Tuolumne System and Local Bay Area storage conditions are summarized in Table 1.

Table 1 Current Storage As of September 1, 2018							
Reservoir	Current Storage		Maximum Storage		Available Capacity		Percentage of Maximum Storage
	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	
Tuolumne System							
Hetch Hetchy ¹	315,822		360,360		44,538		88%
Cherry ²	224,053		268,810		44,757		83%
Eleanor ³	22,425		27,100		4,675		83%
Water Bank	570,000		570,000		0		100%
Tuolumne Storage	1,132,300		1,226,270		93,970		92%
Local Bay Area Storage							
Calaveras ⁵	23,647	7,705	96,824	31,550	73,177	23,845	24%
San Antonio	48,149	15,689	50,496	16,454	2,346	765	95%
Crystal Springs	54,129	17,638	58,377	19,022	4,247	1,384	93%
San Andreas	17,628	5,744	18,996	6,190	1,369	446	93%
Pilarcitos	2,511	818	2,995	976	484	158	84%
Total Local Storage	146,064	47,595	227,688	74,192	81,623	26,597	64%
Total System	1,278,364		1,453,957		175,593		88%

¹ Maximum Hetch Hetchy Reservoir storage with drum gates activated.

² Maximum Cherry Lake storage with flash-boards removed.

³ Maximum Lake Eleanor storage with flash-boards installed.

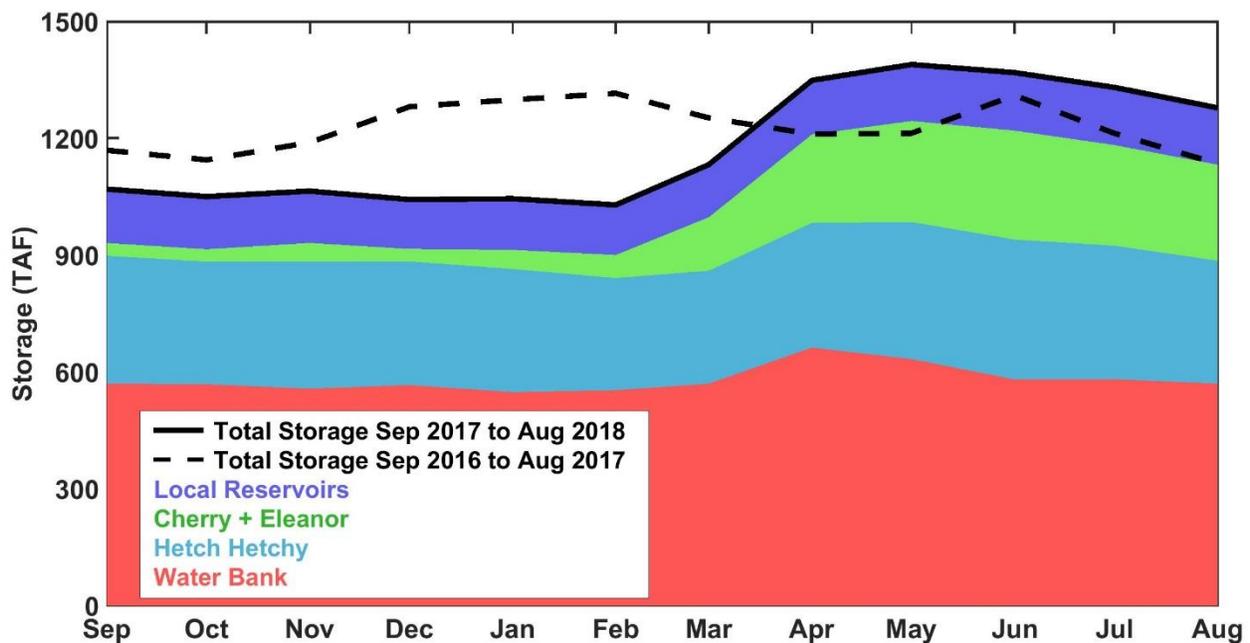


Figure 1: Monthly system storage for past 12 months in thousand acre-feet (TAF). Color bands show relative contributions to total system storage. Solid black line shows total system storage for the past 12 months. Dashed black line shows total system storage the previous 12 months.

Hetch Hetchy System Precipitation Index⁶

Current Month: The August 2018 six-station precipitation index was 0.00 inches, or 0% of the average index for the month.

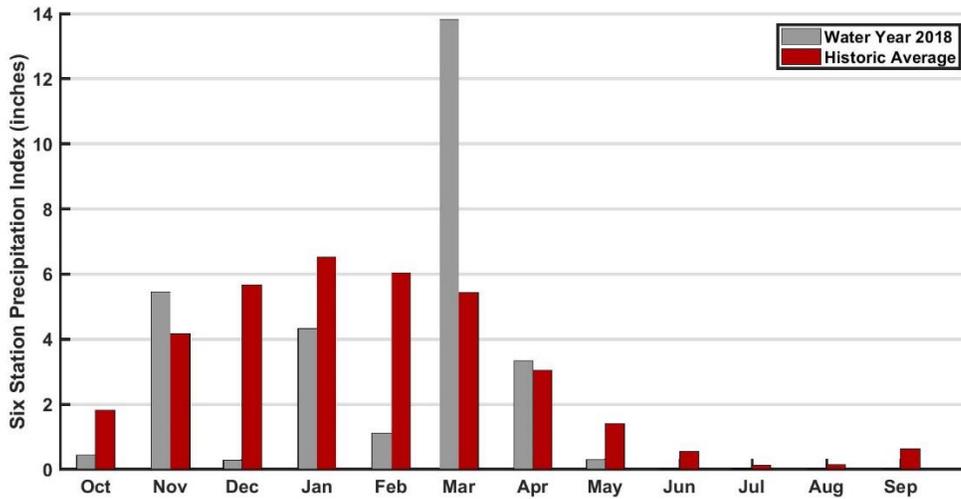


Figure 2: Monthly distribution of the Hetch Hetchy six-station precipitation index as percent of the annual average precipitation, as of September 1, 2018.

Cumulative Precipitation to Date: As of September 1st, the six-station precipitation index for Water Year 2018 was 29.11 inches, which is 82% of the average annual water year total, or 83% of the average season-to-date precipitation. Hetch Hetchy received 0.00 inches of precipitation in August, for a total of 32.25 inches for Water Year 2018. The cumulative Hetch Hetchy precipitation is shown in Figure 3 in red.

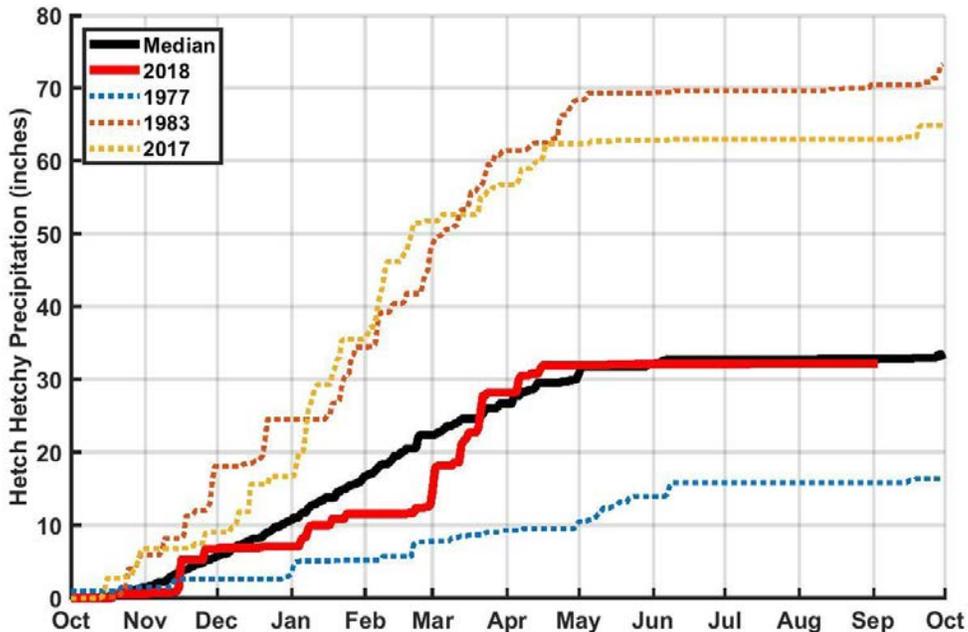


Figure 3: Water year 2018 cumulative precipitation measured at Hetch Hetchy Reservoir through September 1, 2018. Precipitation at the Hetch Hetchy gauge for wet, dry, median, and WY 2017 are included for comparison purposes.

⁶The precipitation index is computed using six Sierra precipitation stations and is an indicator of the wetness of the basin for the water year to date. The index is computed as the average of the six stations and is expressed in inches and in percent.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange as of September 1, 2018 is summarized below in Table 2.

*All flows are in acre feet	August 2018				October 1, 2017 through August 31, 2018			
	Observed Flow	Median ⁷	Mean ⁷	Percent of Mean	Observed Flow	Median ⁷	Mean ⁷	Percent of Mean
Inflow to Hetch Hetchy Reservoir	4,304	7,010	13,803	31%	646,500	699,972	732,224	88%
Inflow to Cherry Lake and Lake Eleanor	-1,678	1,654	3,225	-52%	408,074	442,832	450,150	91%
Tuolumne River at LaGrange	21,205	15,869	24,562	86%	1,660,264	1,670,349	1,803,156	92%
Water Available to City	0	0	1,375	0%	666,636	580,260	764,469	87%

⁷Hydrologic Record: 1919 – 2015

⁸Negative inflows are due to uncertainties in evaporation, flows and reservoir rating curves

Hetch Hetchy System Operations

Power draft and stream releases from Hetch Hetchy Reservoir during the month of August totaled 31,373 acre-feet. Total inflows as of September 1st results in a Water Year Type A (normal to wet conditions) for Hetch Hetchy Reservoir through January 1st, 2019. This year type is based on accumulated runoff from October 1st, 2017 through August 31st, 2018. Hetch Hetchy minimum instream release requirements for August were 125 cfs, and for September are 100 cfs until September 15th at which point they will decrease to 80 cfs. Current Hetch Hetchy releases are equal to minimum environmental releases and water deliveries to the City.

Power draft and valve releases from Cherry Lake totaled 9,804 acre-feet during the month of August. The required minimum instream release from Cherry Lake is 15 cfs through September 30th, 2018. Required minimum release from Lake Eleanor (due to pumping) is 20 cfs through September 15th after which it drops to 10 cfs. Transfer from Lake Eleanor to Cherry Lake ended on June 25.

Regional System Treatment Plant Production

The Harry Tracy Water Treatment Plant average production rate for August was 29 MGD. The Sunol Valley Water Treatment Plant was on standby for the month and no water production occurred.

Local System Water Delivery

The average August delivery rate was 237 MGD which is less than a 1% decrease below the July delivery rate of 238 MGD.

Local Precipitation

Seasonably dry conditions characterized the month’s weather. The rainfall summary for August is presented in Table 3.

Reservoir	Month Total (inches)	Percentage of Average for the Month	Water Year to Date ⁹ (inches)	Percentage of Average for the Year-to-Date ⁹
Pilarcitos	0.01	13 %	29.03	78 %
Lower Crystal Springs	0.00	0 %	19.78	76 %
Calaveras	0.00	0 %	14.03	66 %

⁹ WY 2018: Oct. 2017 through Sep. 2018.

Water Supply

Inflows at all upcountry reservoirs continued to recede throughout the month of August. Hetch Hetchy Reservoir storage remains within seasonal targets and is drafting according to instream and water delivery demands. At Cherry Lake, storage is near the seasonal target with recreational releases concluding after Labor Day. Total Tuolumne system storage is at 92%. Water Bank was full throughout August and its maximum value reset back to 570,000 acre-feet after Don Pedro receded below flood storage targets on August 5th. SFPUC releases in excess of unimpaired flows at LaGrange resulted in a saturation, or “spilling” of Water Bank, which is expected to remain full or near full throughout the remainder of the water year.

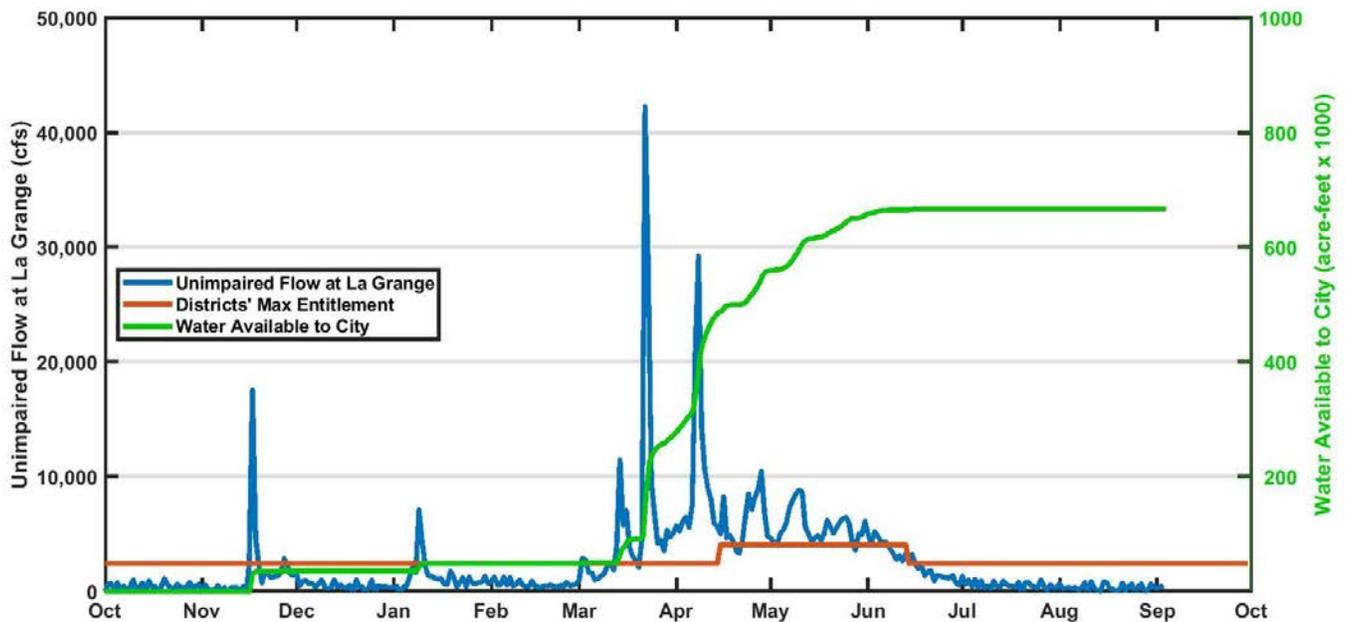


Figure 5: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. Current Water Available to the City is 666,636 acre-feet in WY2018.

San Francisco Public Utilities Commission

Hydrological Conditions Report

September 2018

J. Chester, C. Graham, N. Waelty, October 3, 2018



Elizabeth Lake above Tuolumne Meadows in the Tuolumne River Watershed

System Storage

Current Tuolumne System and Local Bay Area storage conditions are summarized in Table 1.

Table 1 Current System Storage As of October 1, 2018							
Reservoir	Current Storage		Maximum Storage		Available Capacity		Percentage of Maximum Storage
	acre-feet	millions of gallons	acre-feet	millions of gallons	acre-feet	millions of gallons	
Tuolumne System							
Hetch Hetchy ¹	293,312		340,830		48,070		86%
Cherry ²	223,051		268,810		45,425		83%
Eleanor ³	20,142		21,495		1,714		94%
Water Bank	569,824		570,000		176		100%
Tuolumne Storage	1,106,329		1,201,135		95,385		92%
Local Bay Area Storage							
Calaveras ⁴	23,303	7,593	96,824	31,550	73,521	23,957	24%
San Antonio	47,008	15,318	50,496	16,454	3,488	1,137	93%
Crystal Springs	53,138	17,315	58,377	19,022	5,238	1,707	91%
San Andreas	16,501	5,377	18,996	6,190	2,495	813	87%
Pilarcitos	2,381	776	2,995	976	614	200	80%
Total Local Storage	142,331	46,379	227,688	74,192	85,356	27,813	63%
Total System	1,248,660		1,428,822		180,741		87%

¹ Maximum Hetch Hetchy Reservoir storage with drum gates deactivated.

² Maximum Cherry Reservoir storage with flash-boards removed.

³ Maximum Lake Eleanor storage with flash-boards removed.

⁴ Available capacity does not take into account current DSOD storage restrictions.

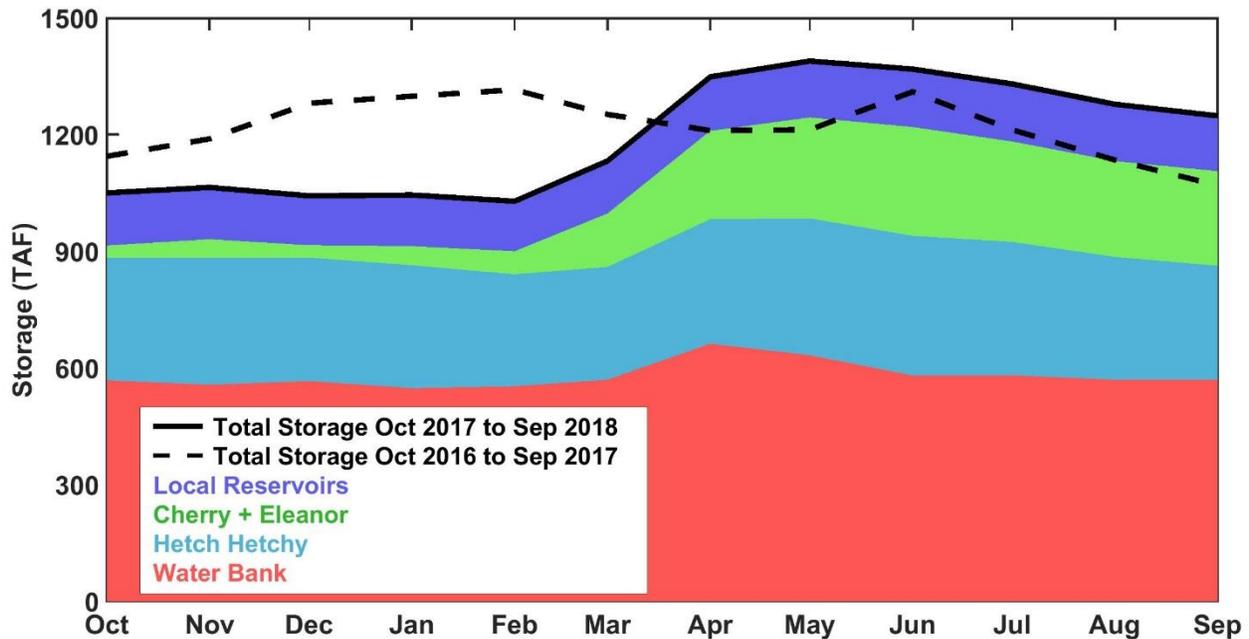


Figure 1: Monthly system storage for past 12 months in thousand acre-feet (TAF). Color bands show contributions to total system storage. Solid black line shows total system storage for the past 12 months. Dashed black line shows total system storage the previous 12 months.

Hetch Hetchy System Precipitation Index

Current Month: The September 2018 six-station precipitation index was 0.06 inches, or 9% of the average index for the month (Figure 2). The precipitation index is computed as the average of six Sierra precipitation stations and is an indicator of the overall basin wetness. Hetch Hetchy received 0.20 inches of precipitation in September (Figure 3, in red).

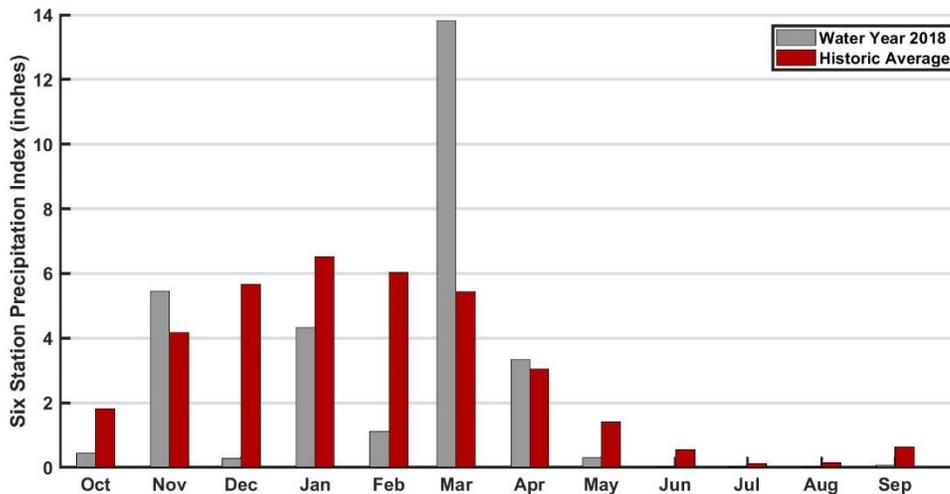


Figure 2: Monthly distribution of the six-station precipitation index for Water Year 2018.

Cumulative Precipitation to Date: The Water Year 2018 (WY 2018; October 1st, 2017 to September 30th, 2018) six-station precipitation index was 29.18 inches, which is 82% of the average annual water year total. Water Year 2018 total precipitation at Hetch Hetchy was 32.45 inches, or 90% of average.

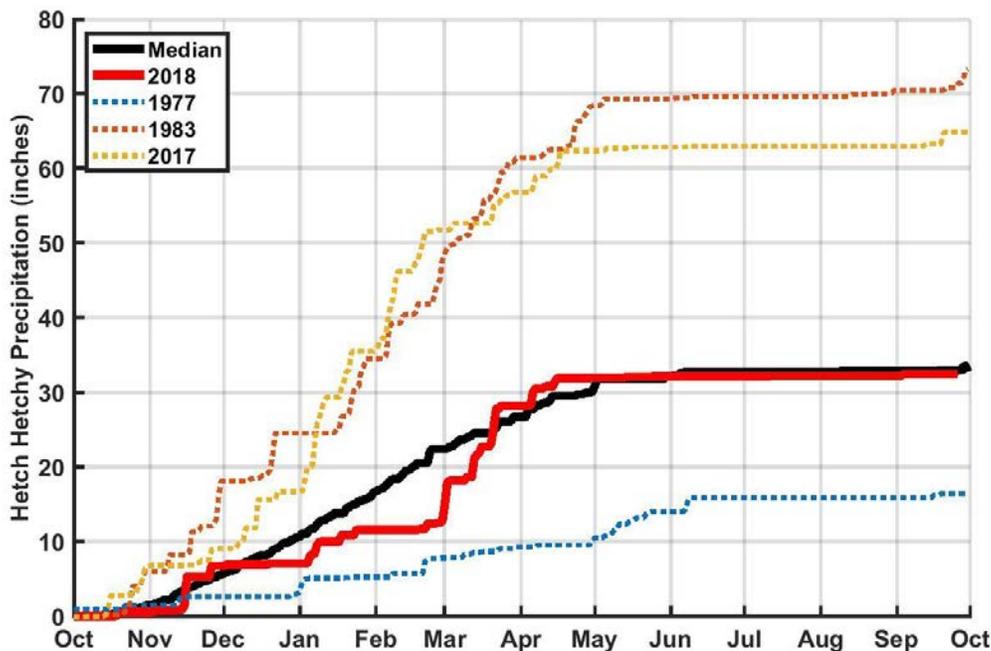


Figure 3: Water year 2018 cumulative precipitation measured at Hetch Hetchy Reservoir. Median cumulative precipitation at Hetch Hetchy and example wet and dry years are included with WY 2017 and WY 2018 for comparison purposes.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange for September and WY 2018 is summarized below in Table 2.

Table 2 Calculated reservoir inflows and Water Available to City								
*All flows are in acre feet	September 2018				WY 2018			
	Observed Flow	Median ¹	Mean ¹	Percent of Mean	Observed Flow	Median ¹	Mean ¹	Percent of Mean
Inflow to Hetch Hetchy Reservoir	1,359	3,070	4,821	28%	647,859	703,453	737,009	88%
Inflow to Cherry Reservoir and Lake Eleanor	-815 ²	803	1,905	-43% ²	407,259	445,183	452,050	90%
Tuolumne River at LaGrange	17,034	7,169	11,203	152%	1,677,298	1,676,737	1,814,284	92%
Water Available to City	0	0	883	0%	666,636	580,260	765,361	87%

¹Hydrologic Record: 1919 – 2015

²Negative inflows are due to uncertainties in evaporation, flows and reservoir rating curves

Hetch Hetchy System Operations

Power draft and stream releases from Hetch Hetchy Reservoir during the month of September totaled 24,811 acre-feet. Total inflows as of September 1st results in a Water Year Type A (normal to wet conditions) for Hetch Hetchy Reservoir through January 1st, 2019. Hetch Hetchy minimum instream release requirements for September 1-14th were 100 cfs, and September 15-30th were 80 cfs. Instream release requirements for October and November are 60 cfs. Current Hetch Hetchy releases are equal to minimum environmental releases and water deliveries to the City.

Power draft and valve releases from Cherry Reservoir totaled 2,053 acre-feet during the month of September. The required minimum instream release from Cherry Reservoir was 15 cfs through September 30th, 2018. Cherry Reservoir October minimum instream releases are 5 cfs. Required minimum release from Lake Eleanor (due to pumping) were 20 cfs through September 15th after which it dropped to 10 cfs. Transfer from Lake Eleanor to Cherry Reservoir started September 28th.

Regional System Treatment Plant Production

The Harry Tracy Water Treatment Plant average production rate for September was 37 MGD. The Sunol Valley Water Treatment Plant returned to service in September with an average production rate for the month of 7 MGD.

Local System Water Delivery

The average September delivery rate was 221 MGD which is a 7% decrease below the August delivery rate of 237 MGD.

Local Precipitation

Seasonably dry conditions characterized the month’s weather. The rainfall summary for September and WY 2018 are presented in Table 3.

Reservoir	September		WY 2018	
	Total (inches)	Percent of mean	Total (inches)	Percent of mean
Pilarcitos	0.00	0 %	29.03	77 %
Lower Crystal Springs	0.00	0 %	19.78	75 %
Calaveras	0.00	0 %	14.03	65 %

Water Supply

Inflows at all upcountry reservoirs continued to recede throughout the month of September. Hetch Hetchy Reservoir storage remains within seasonal targets and is drafting according to instream and water delivery demands. At Cherry Reservoir, storage is near the seasonal target with recreational releases concluding after Labor Day. Total Tuolumne system storage is at 92%. Water Bank was full throughout September and its maximum value reset back to 570,000 acre-feet after Don Pedro receded below flood storage targets on August 5th. SFPUC releases in excess of unimpaired flows at LaGrange resulted in a saturation, or “spilling” of Water Bank, which is expected to remain full or near full throughout the remainder of the water year.

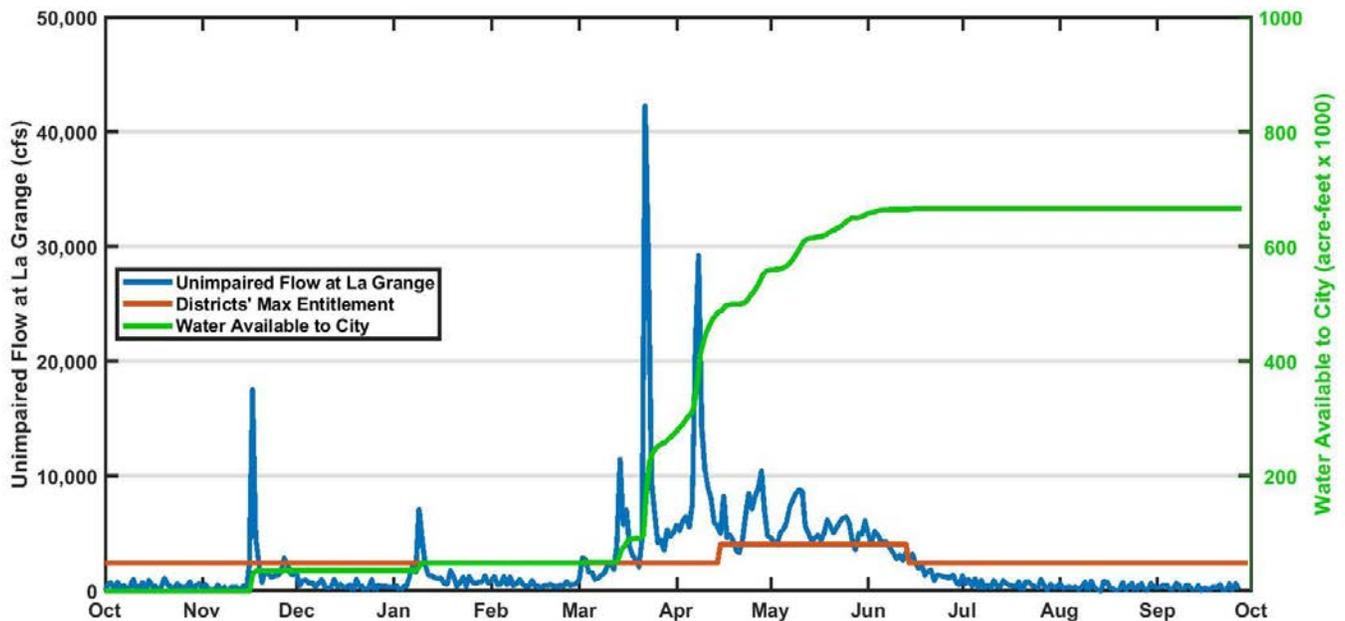


Figure 4: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. Current Water Available to the City is 666,636 acre-feet in WY 2018.

STAFF REPORT

**To: Coastside County Water District Board of Directors
Via David Dickson, General Manager**

From: James Derbin, Superintendent of Operations

Agenda: October 9, 2018

Report

Date: October 4, 2018

Subject: 2" Main South Highway One Emergency Pipeline Replacement

Recommendation:

Determine that waiving the competitive bidding requirements of Resolution 2016-09 and that contracting on a sole-source basis with Andreini Brothers to replace 3,300 feet of 2-inch galvanized water main in Highway 1 south of Miramontes Point Road is in the best interest of the District based on the urgent need to complete the project and authorize the General Manager to execute a contract with Andreini for the replacement, for a total not to exceed \$325,000.

Background:

The District's Highway 1 South Pipeline is a 2-inch galvanized steel pipe which extends about 3,300 feet south along Highway 1 from its intersection with Miramontes Point Road, as shown in the attached drawing. The pipeline predates the District's formation in 1947, and it serves eight connections. Six of the eight service connections on the pipeline lie outside the District's boundaries. Due to restrictions put in place after these connections were made, the District cannot add any new connections outside District boundaries, nor can we expand water service to the existing out-of-boundary connections. Rather than upsizing the pipeline, therefore, we're planning to install a new 2-inch pipe.

Although we had planned to construct the replacement pipeline by the end of the current fiscal year, recent developments have created a potential health and safety problem and made completing the project a matter of urgency for us. Operating pressure at the end of the line has dropped, requiring us to work with individual customers on a daily basis to ensure that everyone has sufficient water. We believe the drop in pressure may result from a leak which is not visible at the surface. Due to the length and depth of the pipeline, there is no practical means of locating and fixing the leak. We therefore plan to install the new pipeline as quickly as possible, using the horizontal directional drilling method. EKI Environment and Water has prepared a plan set and specifications for this work.

Fiscal Impact:

This project is included in the approved FY 18/19 CIP budget in the amount of \$750,000 entitled "Highway 1 South Pipeline Replacement Project".

HIGHWAY 1 SOUTH PIPELINE REPLACEMENT PROJECT

PROJECT BACKGROUND

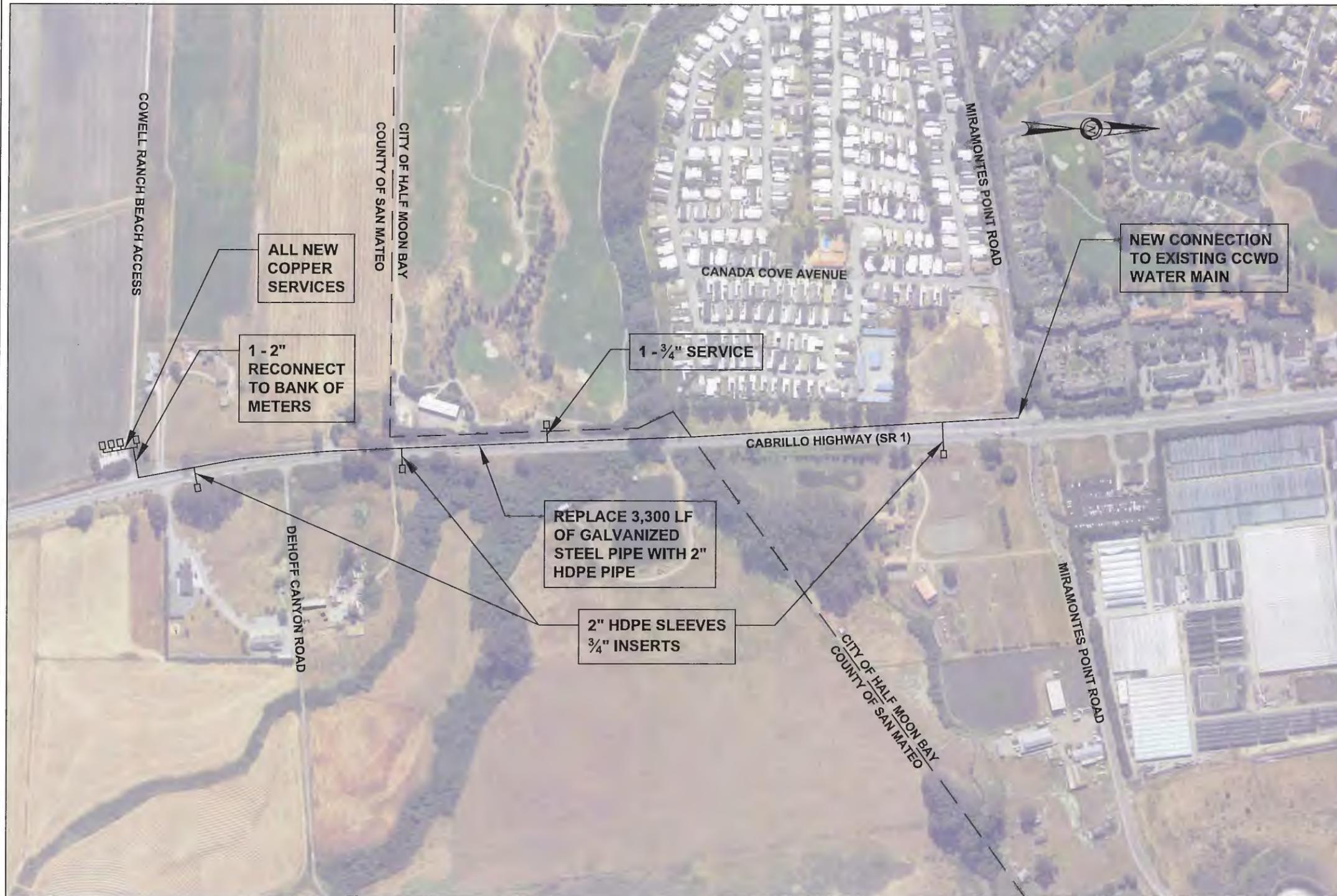
Currently there is a 2" galvanized steel pipe (GSP) water main that begins at the intersection of Miramontes Point Road (MPR) and Cabrillo Highway (Highway 1) and extends southward along and within the Highway 1 right-of-way. Due to pipe age, condition, and on-going leak repair program, the existing water main currently provides limited domestic water service for eight customers. The primary purpose for replacing the existing 2-inch water main is to provide reliable domestic water service for all eight residential services. This project would replace 3,300 LF of the existing GSP with a new 2" HDPE water main. The water main will be similar in length and both horizontal/vertical alignment to the existing 2-inch water main. Hydraulic analysis indicates that the available pressure at the south end of the water main would increase from 18.5 psi to 39 psi with 4 gallons/min demand.

PROPOSED IMPROVEMENTS

Install 3,300 LF of new 2" HDPE pipe
Replace 8 service connections

PROJECT BENEFITS

The Highway 1 South Pipeline Replacement Project replaces an aging 2" GSP with a new 2" HDPE pipe to provide reliable domestic water service to all eight residential services.



PLAN VIEW
1" = 400' SCALE



Pakpour Consulting Group, Inc.
5776 Stoneridge Mall Road, Suite 320
Pleasanton, CA 94588
925.224.7717 Fax 925.224.7726
www.pcgengr.com

JOB No.	10034.09						
DATE	08/06/18						
SCALE	AS NOTED						
DESIGN:	BY WL						
	CKD JP						
DRAWN:	BY WL						
	CKD JP						
		SYMBOL	DATE	REVISIONS	BY	CKD	



COASTSIDE COUNTY
WATER DISTRICT
766 MAIN STREET
HALF MOON BAY, CA

HIGHWAY 1 SOUTH PIPELINE REPLACEMENT PROJECT
COASTSIDE COUNTY WATER DISTRICT

SHEET 1
OF 1

STAFF REPORT

To: Coastside County Water District Board of Directors

From: Mary Rogren, Assistant General Manager

Agenda: October 9, 2018

Report

Date: October 5, 2018

Subject: Quarterly Financial Review

Recommendation:

Information Only.

Background:

The attached Period Budget Analysis summarizes year-to-date revenue and expenses for the first three months of Fiscal Year 2018-2019. Key highlights include:

- Year-to-date revenue is \$301,000 above budget due to higher water sales (primarily with irrigation and agricultural customers.)
- Year-to-date expenses are \$195,000 over budget, including:
 - Water purchased from SFPUC is \$377,000 higher than budget, primarily due to our inability to utilize local source water this summer at Denniston. Staff is hopeful that we can begin accessing Denniston water again by late October.
 - Personnel related costs are \$79,000 underbudget due to vacancies and the partial service retirement of the General Manager resulting in a reduction of his salary expenses.
 - Other savings of \$103,000 primarily reflect expense timing as compared to budget.
- Year-to-date loan payments are \$50,000 under budget due to the refinancing of the District's 2006 Series B Bonds that occurred in July, 2018.

COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS
30-Sep-18

ACCOUNT	DESCRIPTION	YTD BUDGET	YTD ACTUAL	Variance Favorable (Unfavorable)	% Variance
OPERATING REVENUE					
1-0-4120-00	Water Revenue -All Areas	3,533,534.00	3,834,462.34	300,928.34	8.5%
TOTAL OPERATING REVENUE		3,533,534.00	3,834,462.34	300,928.34	8.5%
NON-OPERATING REVENUE					
1-0-4170-00	Water Taken From Hydrants	12,500.00	22,880.45	10,380.45	83.0%
1-0-4180-00	Late Notice -10% Penalty	15,000.00	9,625.72	(5,374.28)	-35.8%
1-0-4230-00	Service Connections	2,500.00	3,231.16	731.16	29.2%
1-0-4920-00	Interest Earned	1,559.00	1,501.63	(57.37)	-3.7%
1-0-4930-00	Tax Apportionments/Cnty Checks	0.00	1,602.90	1,602.90	
1-0-4950-00	Miscellaneous Income	6,250.00	0.00	(6,250.00)	-100.0%
1-0-4955-00	Cell Site Lease Income	41,250.00	39,894.41	(1,355.59)	-3.3%
1-0-4965-00	ERAF REFUND -County Taxes	0.00	0.00	0.00	0.0%
TOTAL NON-OPERATING REVENUE		79,059.00	78,736.27	(322.73)	-0.4%
TOTAL REVENUES		3,612,593.00	3,913,198.61	300,605.61	8.3%
OPERATING EXPENSES					
1-1-5130-00	Water Purchased	675,000.00	1,051,879.39	(376,879.39)	-55.8%
1-1-5230-00	Pump Exp, Nunes T P	10,674.00	13,115.32	(2,441.32)	-22.9%
1-1-5231-00	Pump Exp, CSP Pump Station	119,689.00	111,943.52	7,745.48	6.5%
1-1-5232-00	Pump Exp, Trans. & Dist.	6,741.00	6,567.03	173.97	2.6%
1-1-5233-00	Pump Exp, Pilarcitos Canyon	750.00	681.57	68.43	9.1%
1-1-5234-00	Pump Exp. Denniston Proj.	32,500.00	18,871.25	13,628.75	41.9%
1-1-5242-00	CSP Pump Station Operations	2,675.00	3,078.28	(403.28)	-15.1%
1-1-5243-00	CSP Pump Station Maintenance	9,250.00	3,458.26	5,791.74	62.6%
1-1-5246-00	Nunes T P Operations	19,462.00	29,714.49	(10,252.49)	-52.7%
1-1-5247-00	Nunes T P Maintenance	30,625.00	11,244.55	19,380.45	63.3%
1-1-5248-00	Denniston T.P. Operations	11,750.00	5,324.18	6,425.82	54.7%
1-1-5249-00	Denniston T.P. Maintenance	25,463.00	18,523.98	6,939.02	27.3%
1-1-5250-00	Laboratory Services	17,862.00	16,955.99	906.01	5.1%
1-1-5260-00	Maintenance -General	72,925.00	71,788.26	1,136.74	1.6%
1-1-5261-00	Maintenance -Well Fields	10,000.00	0.00	10,000.00	100.0%
1-1-5263-00	Uniforms	8,000.00	8,127.76	(127.76)	0.0%
1-1-5318-00	Studies/Surveys/Consulting	30,000.00	22,425.00	7,575.00	25.3%

ACCOUNT	DESCRIPTION	YTD BUDGET	YTD ACTUAL	Variance Favorable (Unfavorable)	% Variance
1-1-5321-00	Water Resources	6,300.00	2,397.72	3,902.28	61.9%
1-1-5322-00	Community Outreach	7,000.00	1,096.27	5,903.73	84.3%
1-1-5381-00	Legal	25,000.00	12,335.50	12,664.50	50.7%
1-1-5382-00	Engineering	15,000.00	6,440.00	8,560.00	57.1%
1-1-5383-00	Financial Services	5,000.00	2,410.00	2,590.00	51.8%
1-1-5384-00	Computer Services	39,000.00	43,798.30	(4,798.30)	-12.3%
1-1-5410-00	Salaries/Wages-Administration	261,665.00	219,340.51	42,324.49	16.2%
1-1-5411-00	Salaries & Wages -Field	323,200.00	304,040.62	19,159.38	5.9%
1-1-5420-00	Payroll Tax Expense	41,016.00	39,009.37	2,006.63	4.9%
1-1-5435-00	Employee Medical Insurance	106,617.00	108,125.62	(1,508.62)	-1.4%
1-1-5436-00	Retiree Medical Insurance	12,114.00	9,883.24	2,230.76	18.4%
1-1-5440-00	Employees Retirement Plan	149,715.00	134,822.66	14,892.34	9.9%
1-1-5445-00	Supplemental Retirement 401a	0.00	0.00	0.00	0.0%
1-1-5510-00	Motor Vehicle Expense	15,000.00	16,035.96	(1,035.96)	-6.9%
1-1-5620-00	Office Supplies & Expense	65,400.00	61,657.79	3,742.21	5.7%
1-1-5625-00	Meetings / Training / Seminars	6,500.00	6,550.01	(50.01)	-0.8%
1-1-5630-00	Insurance	32,250.00	31,811.24	438.76	1.4%
1-1-5687-00	Membership, Dues, Subscript.	12,000.00	18,703.40	(6,703.40)	-55.9%
1-1-5688-00	Election Expenses	10,000.00	0.00	10,000.00	0.0%
1-1-5689-00	Labor Relations	1,500.00	0.00	3,000.00	200.0%
1-1-5700-00	San Mateo County Fees	0.00	0.00	0.00	
1-1-5705-00	State Fees	0.00	0.00	0.00	
TOTAL OPERATING EXPENSES		2,217,643.00	2,412,157.04	(194,514.04)	-8.8%
CAPITAL ACCOUNTS					
1-1-5712-00	Debt Svc/Existing Bonds 2006B	366,963.00	(1,812.44)	368,775.44	0.0%
1-1-5715-00	Debt Svc/CIEDB 11-099 (I-BANK)	264,527.00	264,523.92	3.08	0.0%
1-1-5716-00	Debt Svc/CIEDB 2016 (I-BANK)	231,498.00	231,497.84	0.16	0.0%
1-1-5717-00	Chase Bank - 2018 Loan	0.00	318,974.12	(318,974.12)	
TOTAL CAPITAL ACCOUNTS		862,988.00	813,183.44	49,804.56	5.8%
TOTAL EXPENSES		3,080,631.00	3,225,340.48	(144,709.48)	-4.7%
CONTRIBUTION TO CIP/RESERVES		531,962.00	687,858.13		

STAFF REPORT

To: David Dickson, General Manager

From: James Derbin

Agenda: October 9, 2018

Report

Date: October 3, 2018

Subject: PAX Water Technologies Tank Mixers

Recommendation: Authorize Staff to purchase 4 PAX Water Technologies tank mixers to reduce the level of regulated Trihalomethanes (THMs) in the water distribution system for a price of \$110,163.

Background: Historically the District has experienced elevated THM levels throughout the distribution system due to water age and stratification within the finished water tanks. In an effort to maintain distribution system THM levels well below the Maximum Contaminant Level (MCL) of 80 parts per billion, staff has previously installed PAX tank mixers in both El Granada tanks 1 and 2 with positive results in reducing THM levels well below the MCL.

In 2018, PAX completed a THM reduction study for the District based on past sample results and modeling water age throughout the distribution system. PAX recommended a three pronged approach with tank mixing, aeration and active venting of the tanks for the amount of \$388,709. Staff suggests the District take a more gradual measured approach to THM management and start with adequate tank mixing in Half Moon Bay tanks 1, 2, and 3 and Denniston. Staff is confident that tank mixing will reduce the formation of post treatment THMs right after the water is produced at the Denniston and Nunes water treatment plants by roughly 8-10%.

The requested mixers are as follows:

Tank	Volume in MG	Mixer	Price
HMB 1	0.4	PAX PWM 150	\$18,300/ea
HMB 2	0.6	PAX PWM 150	\$18,300/ea
HMB 3	1.5	PAX PWM 400	\$32,350/ea
Denniston	1.5	PAX PWM 400	\$32,350/ea
		Tax	\$8,863
		Total	\$110,163

Fiscal Impact: This project is included in the approved FY 18/19 CIP budget in the amount of \$120,000 entitled "Tanks - THM Control".

STAFF REPORT

To: Coastside County Water District Board of Directors

From: Mary Rogren, Assistant General Manager

Agenda: October 9, 2018

Report

Date: October 5, 2018

Subject: Assistant General Manager's Report

Recommendation: none

Background:

WaterSmart Update

We have successfully piloted the WaterSmart web portal over the last three months with 100 customers, and in October we will be launching the program District-wide. The launch will include:

- **October 1:** Our District website now includes links to sign-up for WaterSmart.
- **October 5:** A post card introducing WaterSmart is being sent to the District's customers introducing WaterSmart (see attached.)
- **October 13 - Pumpkin Festival:** Our District table will include special signage introducing WaterSmart as well as materials to share with the public.
- **Week of October 22:** A Constant Contact e-mail will be sent introducing WaterSmart.

WaterSmart has been very well-received by our pilot customers. In addition, District Staff continues to contact many of our customers with possible leaks as a courtesy (averaging 70 customers per month; 500+ total contacts since March 2018.)

Calaveras Dam Completion

Attached is the press release from SFPUC announcing the completion of construction of the Calaveras Dam replacement.

Coastside County Water District is excited to introduce customers to **WaterSmart**, an innovative web portal where you can access detailed information about your water use.

It's part of the District's commitment to provide customers with tools to better manage water use and to prevent high water bills caused by irrigation and leaks.



Coastside County Water District
766 Main Street
Half Moon Bay, CA 94019

Presorted
First Class
Mail
U.S. Postage
PAID
Permit No. 1
Half Moon Bay, CA
94019



Customers no longer need to wait for a billing statement to see how much water they have used.

Coastside County Water District recently partnered with WaterSmart Software to offer customers access to a free web portal.



View hourly and daily water usage.

Set up high usage alerts.

Compare your water usage with similar sized homes in your neighborhood.

To register for the free web portal, go to the WaterSmart sign up page. Make sure you have your water account number and email address.

<https://coastsidewater.watersmart.com>



To learn more about the District's advanced metering program and to access a link to the WaterSmart web portal registration page, you can go to the District's website.

<http://www.coastsidewater.org/watersmart.html>

Email your questions to watersmart@coastsidewater.org

News Releases

SFPUC Completes Construction of Calaveras Dam Replacement

Seismic upgrade marks a significant milestone in infrastructure replacement project

Posted Date: 9/21/2018 11:30 AM



San Francisco, CA— The San Francisco Public Utilities Commission (SFPUC), the California Department of Water Resources Division of Safety of Dams and the Bay Area Water Supply and Conservation Agency (BAWSCA) today announced that the replacement dam at Calaveras Reservoir has reached its full height, marking a major milestone in the Calaveras Dam Replacement Project.

“We know that it is only a matter of time until we experience another major earthquake, and our critical infrastructure needs to be ready,” said Mayor London N. Breed. “This important improvement project at the Calaveras Reservoir will make sure that our water systems are seismically resilient and our local water supply is secure when the next big one strikes.”

With the earth and rock fill dam now built to its full height of 220 feet, the dam construction portion of the project is finished. Crews still need to construct access roads, automate instrumentation and controls, restore the site, and place rock slope protection before the construction of the overall project is complete, which is slated to happen in spring of next year.

Since 2001, reservoir levels behind the 93-year-old Calaveras Dam have been reduced to 40 percent of capacity due to seismic concerns. Calaveras Reservoir, located on the border between Santa Clara and Alameda counties, is the largest of the SFPUC’s five Bay Area reservoirs, capable of storing 31 billion gallons of water at full capacity. With the dam now at full height, the SFPUC will begin refilling the reservoir this winter.

While the Hetch Hetchy Reservoir in the Sierra Nevada Mountains supplies 85 percent of the drinking water to the SFPUC’s 2.7 million customers, the remaining 15 percent is delivered through the SFPUC’s five water supply reservoirs in the Bay Area. Restoring the Calaveras Reservoir to full capacity is key to ensuring a reliable water supply for SFPUC customers in four Bay Area counties.

“Customers across the Bay Area depend on us for clean, safe and reliable drinking water and we take that responsibility seriously,” said Harlan L. Kelly, Jr. “The Calaveras Reservoir is a critical resource for our local water supply and a major example of how we work every day to plan for our system’s future. It is the largest of our five reservoirs and with it at full capacity, we will maximize water reliability for our customers. Hetch Hetchy Reservoir is the backbone of our water system, but it is nearly 200 miles away. With our local reservoirs at full capacity, we will be able to completely deliver our services, even in the unfortunate scenario where we cannot access the Hetch Hetchy Reservoir.”

The new dam is composed of seven zones of different materials, with the majority of the earth, rock, sand and clay used for the structure being sourced from onsite. Constructed like a seven-layer cake turned on its side, the dam took two years to construct. The new dam is located directly adjacent to the old dam, and has been built to withstand a 7.25 magnitude earthquake on the nearby Calaveras Fault. Earlier this month, a 3.4 magnitude temblor shook the area, and no damage occurred to the new dam or its accompanying structures.

Under the State of California Department of Water Resources, the Division of Safety of Dams (DSOD) provides oversight to the design, construction, and maintenance to nearly 1,250 dams in California, including the Calaveras Dam.

“Given California’s complex geology and tectonic regime, many of the dams in California, such as the Calaveras Dam, are located near major faults and can be subject to severe loading conditions,” said DSOD Division Chief Sharon K. Tapia. Ensuring the seismic stability of the dams in California is paramount for public safety. As one of California’s largest seismic retrofit projects, the Calaveras Dam Replacement Project is a model project in its robust design features and construction standards.”

The Calaveras Dam Replacement Project is the largest project of the \$4.8 billion Water System Improvement Program (WSIP) to repair, replace, and seismically upgrade key components of the Hetch Hetchy Regional Water System. The SFPUC, together with its 26 wholesale customers, launched the WSIP in 2002. One of the largest water infrastructure projects in the country, the WSIP is now more than 96 percent complete.

"Completion of this huge new reservoir is very good news for the 1.8 million residents, 40,000 businesses including those in Silicon Valley, and thousands of community agencies in Alameda, San Mateo, and Santa Clara counties, who will receive reliable, high-quality water from it," said Nicole M. Sandkulla Chief Executive Officer/General Manager of BAWSCA. "Calaveras will provide major new water-supply protection for these vitally important customers, whose interests BAWSCA represents under state law, AB 2058. I want to congratulate the highly skilled men and women and their union representatives, who built this magnificent dam. And I applaud the leaders of the San Francisco Public Utilities Commission, who designed and will operate it."

Crews working on the Calaveras Dam Replacement Project moved about 12 million cubic yards of earth and rock to construct the new dam. Of that total, roughly four million cubic yards of material was used for the new dam, while the remainder was placed in other areas on site. The Project has moved enough rock and soil to fill Levi’s Stadium from top to bottom four times.

Construction on the Calaveras Dam Replacement Project began in 2011. It is scheduled to conclude in spring 2019. To date, more than 1,400 workers have contributed 1.4 million total craft hours to construct this project. The total cost of the project is \$823 million. Funding for the project came from a bond measure that was approved by San Francisco voters in November 2002 and paid for by both retail customers in San Francisco and 26 wholesale customers that serve Alameda, San Mateo and Santa Clara counties.

About the San Francisco Public Utilities Commission

The San Francisco Public Utilities Commission (SFPUC) is a department of the City and County of San Francisco. It delivers drinking water to 2.7 million people in the San Francisco Bay Area, collects and treats wastewater for the City and County of San Francisco, and generates clean power for municipal buildings, residents and businesses. The SFPUC mission is to provide customers with high quality, efficient and reliable water, power and sewer services in a manner that values environmental and community interests and sustains the resources entrusted to our care.

###

[SHARE THIS PAGE](#)

[More News »](#)

MONTHLY REPORT

To: David Dickson, General Manager
From: James Derbin, Superintendent of Operations
Agenda: October 9, 2018

**Report
Date:** October 3, 2018

Monthly Highlights

- Additional operations staff member recently passed the DMV commercial B license driving test
- Replaced fire hydrant at Oak/Pilarcitos
- Replaced 27 angle stops to facilitate installation of a portion of the remaining AMI meter change outs
- Installed an insertion flow probe into the lower Pilarcitos pipeline to monitor flow rates while blending
- 2018 Lead and Copper sampling was a success, results expected in next few weeks

Source of Supply

- Crystal Springs/Pilarcitos Reservoirs were the sources of supply in September

Projects

- 2018 Denniston Reservoir Dredging complete
- Pacific Ridge Phase 3 ~2,000' water main installed, ~500' more to go
- Downtown 2" Main Replacement Project - Paving complete, striping pending City approval
- New CSP 500 Hp motor installed
- Denniston pump station transformer upgrade started
- Slide Gate for Denniston Reservoir large spillway arrived damaged. Sent back to manufacturer for repair/rebuild.

STAFF REPORT

To: Board of Directors

From: Cathleen Brennan, Water Resources Analyst

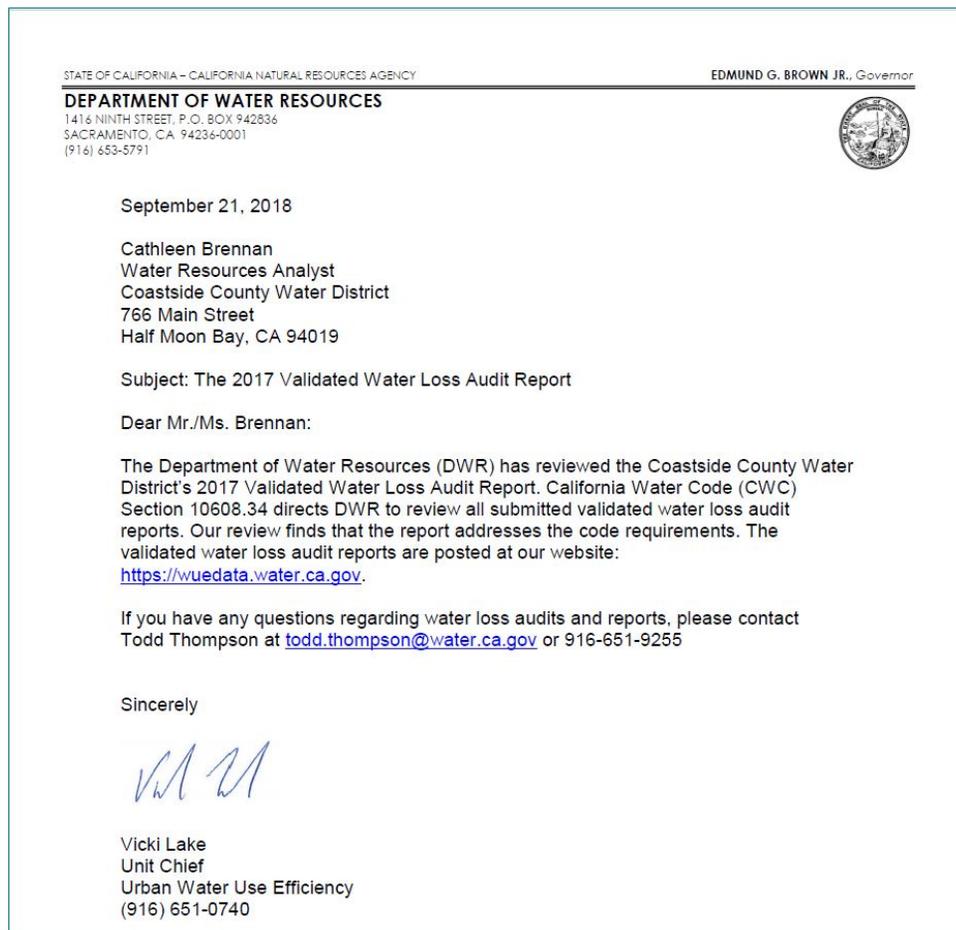
Agenda: October 9, 2018

Report: October 4, 2018

Subject: Water Resources Informational Report

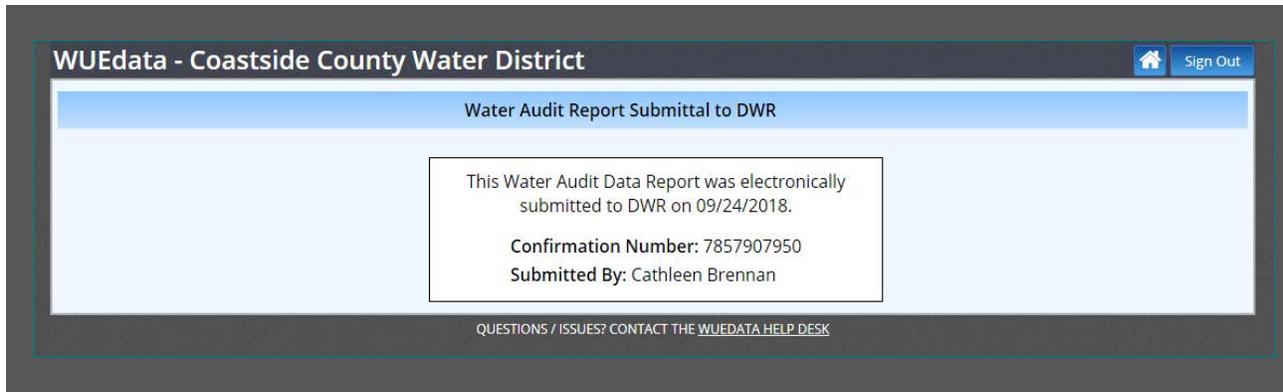
State of California Water Loss Control Program

The District received notification that the California Department of Water Resources found that the submitted 2017 (fiscal year) validated water loss audit report met the requirements of the California Water Code.



On September 24th, the District electronically submitted the 2018 (fiscal year) water audit report. The District used Water Systems Optimization to validate the audit, through a subscription with the Bay Area Water Conservation Agency (BAWSCA). A screen shot of the confirmation is shown below.

Other than the level 1 validation, there are no performance standards that must be met for the audit. This will change with future water audits, as the State Water Resources Board and the Department of Water Resources are currently working on developing performance standards. The rule making process for the new performance standards should be completed sometime in 2019.



Submitted water agency water audit data (spreadsheets) are available to the public for review at the link below.

http://wuedata.water.ca.gov/awwa_plans

An infographic titled "Water Loss Control" featuring a central hexagonal diagram with six surrounding images. The central hexagon contains the text "Strengthen Local Drought Resilience". The surrounding hexagons contain: "Use Water More Wisely" (with a hand holding a water drop), "Eliminate Water Waste" (with a leaking faucet), "Improve Agricultural Water Use Efficiency & Drought Planning" (with a field of crops), and "Water Loss Control" (with a cracked earth). To the right of the infographic is a text block:

Water Loss Control is a key conservation strategy of the California Water Action Plan that aims for improved water supply reliability across California.

Senate Bill 555 requires the State Water Board to develop water loss performance standards for urban retail water suppliers between January 2019 and July 2020. The State Water Board is required to evaluate the life-cycle cost of achieving these standards. The standards will incorporate local and operational conditions to determine economically achievable water loss reduction for each urban retail water supplier.

Executive Orders B-37-16 and B-40-17 further direct the State Water Board and Department of Water Resources (DWR) to minimize water waste through system leaks.

More information about the state's water loss control program can be found at https://www.waterboards.ca.gov/water_issues/programs/conservation_portal/water_loss_control.html

The District received a certificate of appreciation for our partnership with the EPA WaterSense Program which promotes the installation of water efficient fixtures.

More information about the EPA WaterSense Program can be found at <https://www.epa.gov/watersense>

